MINERALS AND MINERAL PRODUCTS.

No. 142.—GOLD AND SILVER PRODUCTION FROM MINES IN THE UNITED STATES: 1792 TO 1915.[1]

[Source: Reports of the Director of the Mint, Treasury Department.]

Calendar year.	Gold.		Silver.	
	Fine ounces (troy).	Value.	Fine ounces (troy).	Commercial value.[2]
		Dollars.		*Dollars.*
Apr. 2, 1792–July 31, 1834	677,250	14,000,000	.....	Insignificant.
July 31, 1834–Dec. 31, 1856	22,278,670	460,537,000	657,800	868,000
1857–1862	13,699,800	283,200,000	5,298,100	7,113,100
1863	1,935,000	40,000,000	6,574,200	8,842,300
1864	2,230,087	46,100,000	8,507,800	11,443,000
1865	2,574,759	53,225,000	8,701,200	11,642,200
1866	2,588,062	53,500,000	7,734,400	10,356,400
1867	2,502,196	51,725,000	10,441,400	13,866,200
1868	2,322,000	48,000,000	9,281,200	12,306,900
1869	2,394,362	49,500,000	9,281,200	12,297,600
1870	2,418,750	50,000,000	12,375,000	16,434,000
1871	2,104,312	43,500,000	17,789,100	23,588,300
1872	1,741,500	36,000,000	22,236,300	29,396,400
1873	1,741,500	36,000,000	27,650,400	35,881,600
1874	1,620,122	33,490,000	28,868,200	36,917,500
1875	1,619,009	33,467,900	24,539,300	30,485,900
1876	1,931,575	39,929,200	29,996,200	34,919,800
1877	2,268,662	46,897,400	30,777,800	36,991,500
1878	2,477,109	51,206,400	35,022,300	40,401,000
1879	1,881,787	38,900,000	31,565,500	35,477,100
1880	1,741,500	36,000,000	30,318,700	34,717,000
1881	1,678,612	34,700,000	33,257,800	37,657,500
1882	1,572,187	32,500,000	36,196,900	41,105,900
1883	1,451,250	30,000,000	35,732,800	39,618,400
1884	1,489,950	30,800,000	37,743,800	41,921,300
1885	1,538,373	31,801,000	39,909,400	42,503,500
1886	1,686,788	34,869,000	39,694,000	39,482,400
1887	1,608,049	33,136,000	41,721,600	40,887,200
1888	1,604,478	33,167,500	45,792,700	43,045,100
1889	1,594,775	32,967,000	50,094,500	46,838,400
1890	1,588,877	32,845,000	54,516,300	57,242,100
1891	1,604,840	33,175,000	58,330,000	57,630,000
1892	1,597,098	33,015,000	63,500,000	55,662,500
1893	1,739,323	35,955,000	60,000,000	46,800,000
1894	1,910,813	39,500,000	49,500,000	31,422,100
1895	2,254,760	46,610,000	55,727,000	36,445,500
1896	2,568,132	53,088,000	58,834,800	39,654,600
1897	2,774,935	57,363,000	53,860,000	32,316,000
1898	3,118,398	64,463,000	54,438,000	32,118,400
1899	3,437,210	71,053,400	54,764,500	32,858,700
1900	3,829,897	79,171,000	57,647,000	35,741,100
1901	3,805,500	78,666,700	55,214,000	33,128,400
1902	3,870,000	80,000,000	55,500,000	29,415,000
1903	3,560,000	73,591,700	54,300,000	29,322,000
1904	3,892,480	80,464,700	57,682,800	33,456,024
1905	4,265,742	88,180,700	56,101,600	34,221,976
1906	4,565,333	94,378,800	56,517,900	38,256,400
1907	4,374,827	90,435,700	56,514,700	37,299,700
1908	4,574,340	94,560,000	52,440,800	28,050,600
1909	4,821,700	99,673,400	54,721,500	28,455,200
1910	4,657,017	96,269,100	57,137,900	30,854,500
1911	4,687,053	96,890,000	60,399,400	32,615,700
1912	4,520,719	93,451,500	63,766,800	39,197,400
1913	4,271,562	88,301,023	67,601,111	40,864,871
1914	4,372,976	94,531,800	72,455,100	40,067,700
1915[3]	4,887,604	101,035,700	74,961,075	37,397,300

[1] The estimates from 1792 to 1873 are by R. W. Raymond, United States Commissioner of Mining Statistics, and since by the Director of the Mint.

[2] To compute United States dollar coining value of silver, multiply number of fine ounces by $1.2929+.

[3] For later years see next table.

No. 143.—ESTIMATED VALUE OF THE PRODUCT OF GOLD AND SILVER, CALENDAR YEARS 1916 TO 1922: BY STATES.

[Source: Reports of the Director of the Mint, Treasury Department.]

GOLD.

State.	1916	1917	1918	1919	1920	1921	1922[1]
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
Alaska	16,124,800	14,671,400	9,424,700	9,963,500	8,535,700	7,998,500	7,871,200
Arizona	4,092,800	5,180,600	5,583,000	4,609,100	4,961,900	3,317,800	3,304,800
California	21,980,400	20,929,400	16,784,400	17,398,200	14,810,900	15,061,300	14,829,100
Colorado	19,185,000	15,974,500	12,724,700	10,249,300	7,508,400	7,347,800	6,518,100
Georgia	20,400	6,500	4,500	700	700	1,100	5,400
Idaho	1,058,300	754,800	701,400	704,600	468,600	542,200	482,800
Montana	4,328,400	3,673,200	3,280,700	2,416,900	1,897,700	1,725,600	1,511,100
Nevada	9,064,700	6,932,500	6,700,440	4,659,100	3,626,900	3,220,500	3,228,900
New Mexico	1,350,000	1,085,400	687,080	585,400	449,000	203,100	332,200
North Carolina	23,000	10,800	4,400	100	1,100	1,700	1,500
Oregon	1,901,500	1,687,300	1,265,700	1,096,200	1,027,700	815,600	477,400
South Carolina	300	1,700	.....	100	300	.....	.....
South Dakota	7,471,700	7,372,900	6,699,400	5,289,700	4,337,800	6,523,000	6,711,100
Texas	500	100	20	400	100	2,400	300
Utah	3,859,000	3,522,100	3,153,000	2,266,900	2,128,700	1,894,300	2,226,800
Washington	580,600	488,200	333,800	236,400	148,000	151,100	188,500
Wyoming	20,200	8,700	900	300	200	.....	.....
Philippine Islands	1,514,200	1,446,100	1,290,000	850,000	1,276,600	1,254,900	1,399,100
Other	14,500	9,500	8,560	6,500	6,600	6,400	7,700
Total value	92,590,300	83,750,700	68,646,700	60,333,400	51,186,900	50,067,300	49,096,000
Total fine ounces (troy)	4,479,057	4,051,440	3,320,784	2,918,628	2,476,166	2,422,006	2,375,019

SILVER (COMMERCIAL VALUE).

Alaska	833,000	994,100	787,057	773,570	903,228	475,902	652,251
Arizona	4,394,600	5,733,400	6,697,978	6,392,222	5,965,404	1,590,043	4,198,695
California	1,274,200	1,735,200	1,404,815	1,293,051	1,817,256	2,276,446	3,119,002
Colorado	4,967,900	6,004,500	6,765,435	6,687,790	5,674,622	3,983,121	5,951,593
Idaho	7,611,500	9,390,000	9,212,411	6,650,207	8,088,523	4,544,625	5,965,098
Michigan	499,300	563,400	506,206	477,054	561,945	199,797	361,912
Montana	9,240,100	11,986,100	16,058,232	16,826,790	14,566,746	6,107,845	9,601,048
Nevada	9,000,600	9,237,700	9,737,898	7,896,972	8,217,109	4,417,416	8,108,027
New Mexico	1,138,000	1,264,700	758,545	954,781	768,509	365,683	657,231
North Carolina	1,100	500	98	21	.....	8	8
Oregon	146,000	141,800	126,626	265,220	111,648	33,526	193,121
South Dakota	138,200	156,800	158,082	136,822	96,234	70,483	121,757
Texas	437,000	484,200	567,841	604,690	574,195	346,403	601,765
Utah	8,911,000	11,002,700	13,228,911	14,058,650	12,910,615	8,854,470	15,588,734
Washington	193,700	219,100	294,138	289,487	195,226	93,151	210,885
Wyoming	2,200	2,800	1,230	336	62,556	41	.....
Philippine Islands	11,600	10,500	12,746	17,614	24,292	16,658	27,174
Other	153,000	150,600	166,880	208,375	263,847	109,490	152,558
Total commercial value	48,953,000	59,078,100	66,485,129	63,533,652	60,801,955	33,485,108	55,510,859
Total fine ounces (troy)	74,414,802	71,740,362	67,810,139	56,682,445	55,361,573	53,052,441	55,510,859

[1] Preliminary figures. Silver valued at $1 per ounce according to the Pittman Act of April 23, 1918, for domestic product.

No. 144.—PETROLEUM RUN TO THE STILLS AND OUTPUT UNDER SPECIFIED HEADS: CALENDAR YEARS 1917 TO 1921, AND IN 1922, BY SECTIONS.

[Source: Bureau of Mines, Department of the Interior.]

Section.	Run to the stills.		Gasoline.	Kerosene.	Gas and fuel.	Lubricating.
	Crude oil.	Other oils.				
	1,000 barrels.[1]	*1,000 barrels.*[1]	*1,000 gallons.*	*1,000 gallons.*	*1,000 gallons.*	*1,000 gallons.*
East coast	100,525	10,320	1,161,493	555,248	2,070,486	305,679
Pennsylvania	20,661	1,485	298,207	142,791	207,473	158,412
Indiana and Illinois	45,606	4,062	888,538	198,407	646,819	76,008
Oklahoma and Kansas	70,934	6,266	1,167,165	331,706	1,341,816	75,303
Texas	100,696	7,063	1,057,994	560,403	2,249,022	230,256
Louisiana and Arkansas	34,865	1,878	365,830	211,398	641,561	32,622
Colorado and Wyoming	24,391	14,621	569,510	111,082	517,193	18,824
California	103,028	8,902	673,498	195,292	3,031,856	81,649
Total, 1922	500,706	54,598	6,202,235	2,306,326	10,706,227	978,752
1917	315,132	[2] 14,898	2,850,546	1,726,769	6,513,324	753,777
1918	326,025	50,565	3,570,313	1,825,360	7,321,398	841,466
1919	361,520	45,763	3,957,857	2,341,632	7,627,289	846,760
1920	433,915	40,235	4,882,547	2,320,095	8,861,452	1,046,708
1921	443,363	36,493	5,153,549	1,945,126	9,663,816	877,859

Section.	Wax.	Coke.	Asphalt.	Miscellaneous.	Losses.
	1,000 pounds.	*1,000 short tons.*	*1,000 short tons.*	*1,000 gallons.*	*1,000 barrels.*[1]
East coast	195,864	230	896	100,121	4,426
Pennsylvania	75,885	20	4	48,046	1,259
Indiana and Illinois	33,807	178	109	118,188	1,978
Oklahoma and Kansas	28,283	23	.....	196,122	2,877
Texas	51,034	107	358	169,270	4,217
Louisiana and Arkansas	46,669	89	232	150,952	839
Colorado and Wyoming	30,005	59	2	349,939	1,202
California	457	.....	294	555,815	1,765
Total, 1922	462,003	707	1,895	1,688,452	18,562
1917	505,144	560	608	1,286,710	14,557
1918	467,235	603	902	1,278,864	16,015
1919	541,405	577	1,291	1,492,584	18,743
1920	433,887	604	1,215	1,202,433	19,558
1921	481,200	539	739	702,167	13,074

[1] Barrel of 42 gallons. [2] Last six months.

No. 145.—CRUDE-PETROLEUM PRODUCTION: QUANTITIES, CALENDAR YEARS 1880 TO 1922, BY STATES.

[Source: Reports of the Geological Survey, Department of the Interior.]

State.	1880	1890	1900	1910	1915	1918	1920	1921	1922
	1,000 barrels.[1]	*1,000 barrels.*[1]	*1,000 barrels.*[1]	*1,000 barrels.*[1]	*1,000 barrels.*[1]	*1,000 barrels.*[1]	*1,000 barrels.*[1]	*1,000 barrels.*[1]	*1,000 barrels.*[1]
Arkansas	.....	.....	.....	.....	.....	.....	(2)	10,473	12,097
California	41	307	4,324	73,011	86,592	97,532	103,377	112,600	139,671
Colorado	.....	369	317	240	208	143	111	108	97
Illinois	.....	1	.....	33,143	19,042	13,366	10,774	10,043	9,363
Indiana	.....	63	4,874	2,160	876	878	945	1,158	1,084
Kansas	.....	1	75	1,129	2,823	45,451	39,005	36,456	31,588
Kentucky	.....	[3] 6	[3] 62	469	437	4,376	8,738	9,013	8,981
Louisiana	.....	.....	.....	6,841	18,192	16,043	35,714	27,103	34,171
Montana	.....	.....	.....	.....	.....	69	340	1,509	2,369
New York	.....	.....	1,301	1,054	888	809	906	988	1,000
Ohio	39	16,125	22,363	9,916	7,825	7,285	7,400	7,335	6,762
Oklahoma	.....	.....	[4] 6	52,029	97,915	103,347	106,206	114,634	146,631
Pennsylvania	[5] 26,028	[5] 28,458	13,258	8,795	7,839	7,408	7,438	7,418	7,443
Tennessee	.....	.....	.....	.....	.....	.....	14	12	10
Texas	.....	.....	836	8,899	24,943	38,750	96,868	106,166	116,670
West Virginia	179	493	16,196	11,753	9,265	7,867	8,249	7,822	7,028
Wyoming	.....	.....	5	115	4,246	12,596	16,831	19,333	26,232
Undistributed	.....	.....	2	4	14	8	13	12	.....
Total	26,286	45,824	63,621	209,557	281,104	355,928	442,929	472,183	551,197
Total value (1,000 dollars)	24,601	35,365	75,989	127,900	179,463	703,944	1,360,745	814,745	900,200

[1] Barrel of 42 gallons.
[2] Included under undistributed.
[3] Includes Tennessee.
[4] Includes Indian Territory.
[5] Includes New York.

No. 146.—MINERAL PRODUCTION: QUANTITIES AND VALUES OF SPECIFIED KINDS, CALENDAR YEARS 1915 AND 1920 TO 1922.

[Source: Reports of U. S. Geological Survey, Department of the Interior.]

Product.	1915		1920		1921		1922[1]	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
METALLIC.		*1,000 dollars.*		*1,000 dollars.*		*1,000 dollars.*		*1,000 dollars.*
Aluminum.....pounds..	.....	16,280	.....	41,375	.....	10,906	.....	13,622
Antimonial lead[2]..short tons..	23,224	3,666	12,535	1,963	10,064	870	8,075	845
Antimony.....do....	5,364	[3] 2,374	2,785	[3] 473	1,589	[3] 158	1,448	[3] 156
Bauxite.....long tons..	297,041	1,515	521,308	3,247	139,550	890	309,600	2,012
Cadmium.....pounds..	91,415	108	129,283	151	68,501	67	131,590	143
Chromite.....long tons..	3,281	37	2,502	45	282	3	355	7
Copper, sales value...100 lbs..	1,388,010	242,902	1,209,061	222,467	505,586	65,221	944,025	127,443
Ferroalloys.....long tons..	388,644	17,450	612,808	77,519	248,627	21,698	423,280	28,259
Gold.....1,000 troy ounces..	4,888	101,036	2,476	51,187	2,422	50,067	2,375	49,096
Iron:								
Ore .....1,000 long tons..	55,493	[4] 101,289	69,281	[4] 285,006	26,653	[4] 89,745	50,613	[4] 157,809
Pig.....do....	30,684	401,410	35,710	1,140,904	16,039	380,438	27,671	608,145
Lead (refined)[5] sales value .....short tons..	507,026	47,660	476,849	76,296	398,222	35,840	468,746	51,562
Manganese ore (35 per cent or more m. n.)[6]....long tons..	9,613	113	94,420	2,396	13,531	495	15,682	473
Manganiferous ore (5 to 35 per cent m. n.)[6].....long tons..	195,735	817	767,664	2,438	97,099	255	625,659	1,766
Nickel value at New York City .....short tons..	822	538	365	293	111	86	208	133
Ores (crude):								
Copper....1,000 short tons..	43,404	.....	36,765	(7)	13,396	(7)	(8)	(7)
Copper-lead and copper-lead zinc.....1,000 short tons..	11	.....	27	(7)	14	(7)	(8)	(7)
Dry and siliceous (gold and silver)...1,000 short tons..	12,687	.....	8,590	(7)	8,418	(7)	(8)	(7)
Lead.....do....	7,497	.....	7,200	(7)	7,129	(7)	(8)	(7)
Lead zinc.....do....	18,176	.....	12,383	(7)	3,736	(7)	(8)	(7)
Zinc.....do....			2,651	(7)	1,708	(7)	(8)	(7)
Platinum and allied metals (value at New York City) .....troy ounces..	8,665	479	41,544	4,698	56,370	4,239	57,718	5,861
Quicksilver (value, San Francisco)...flasks (75 lbs. net)..	21,033	1,805	13,392	1,067	6,339	301	6,375	368
Quicksilver ore....short tons..	159,000	.....	109,000	(7)	35,000	(7)	43,000	(7)
Silver.....1,000 troy ounces..	74,961	37,397	55,362	60,802	53,052	53,052	55,511	55,511
Tin (metallic equivalent) .....short tons..	102	79	22	22	4	2	1	1
Titanium ore (rutile)..do....	250	28	277	(9)	.....	.....	(9)	(9)
Tungsten ore (60 per cent concentrate).....short tons..	2,332	4,100	216	102	.....	.....	.....	.....
Uranium and vanadium ores .....short tons..	.....	694	35,076	2,401	8,540	876	(9)	(9)
Zinc, sales value.....do....	458,135	113,617	450,045	72,907	198,232	19,823	353,274	40,273
Total value of metallic products (approximate)	.....	991,730	.....	1,762,350	.....	654,130	.....	985,800

For footnotes see page 192.

No. 146.—MINERAL PRODUCTION: QUANTITIES AND VALUES OF SPECIFIED KINDS, CALENDAR YEARS 1915 AND 1920 to 1922—Continued.

Product.	1915		1920		1921		1922	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
NONMETALLIC.		*1,000 dollars.*		*1,000 dollars.*		*1,000 dollars.*		*1,000 dollars.*
Arsenious oxide...short tons..	5,498	302	11,502	2,021	4,786	718	10,027	1,475
Asbestos.....do....	1,731	77	1,648	678	831	337	27	9
Asphalt.....do....	740,254	5,242	898,993	13,199	920,632	11,033	1,132,937	12,639
Barytes (crude).....do....	108,547	381	228,113	2,142	66,369	532	155,040	1,124
Borates.....do....	67,003	1,677	120,320	2,173	50,000	1,600	85,220	2,705
Bromine.....1,000 pounds..	856	856	1,161	745	712	173	1,005	151
Calcium-magnesium chloride .....short tons..	20,535	131	27,849	539	23,672	511	33,067	571
Cement, 1,000 bbls. (376 lbs. net)	87,685	75,155	97,079	195,590	96,047	181,675	118,591	208,464
Clay:								
Products.....	.....	160,080	.....	373,670	.....	270,398	.....	(10)
Raw.....1,000 short tons..	2,363	[4] 3,972	3,116	[4] 11,614	1,717	[4] 6,025	2,511	[4] 8,184
Coal:								
Bituminous [11].....do....	442,624	502,038	568,667	2,129,933	415,922	1,199,984	407,894	1,294,000
Pennsylvania anthracite .....1,000 long tons..	79,460	184,653	79,998	434,252	80,780	452,305	48,824	273,700
Coke [4].....1,000 short tons..	41,581	[4] 105,504	51,345	[4] 494,246	25,288	[4] 147,673	36,526	(4,8)
Diatomaceous (infusorial) earth and tripoli short tons..	35,304	167	102,155	1,649	67,474	896	74,966	703
Emery.....do....	3,063	31	2,327	22	305	2	1,468	18
Feldspar (crude)...long tons..	93,855	489	135,551	851	91,865	618	117,127	845
Fluorspar.....short tons..	136,941	764	186,778	4,719	34,960	724	139,700	2,505
Fuller's earth.....do....	47,901	489	128,487	2,506	105,609	1,974	138,944	2,290
Garnet for abrasive purposes .....short tons..	4,301	140	5,476	434	3,048	261	7,054	567
Gems and precious stones.....	.....	170	.....	265	.....	518	.....	100
Graphite:								
Amorphous.....short tons..	1,181	12	4,694	50	1,842	21	2,200	(9)
Crystalline...1,000 pounds..	7,074	417	9,632	576	1,190	76	1,850	85
Grindstones and pulpstones .....short tons..	.....	648	53,484	1,707	26,340	1,227	26,524	1,020
Gypsum.....1,000 short tons..	2,448	6,597	3,129	24,533	2,891	23,700	3,900	17,000
Lime.....do....	3,623	14,424	3,570	37,544	2,532	24,895	3,528	33,057
Magnesite (crude).short tons..	30,499	274	303,767	2,748	47,904	510	55,790	572
Mica:								
Scrap.....do....	3,959	51	5,723	167	2,577	57	3,310	66
Sheet.....1,000 pounds..	554	378	1,683	547	742	119	965	183
Millstones.....	.....	53	.....	63	.....	25	.....	21
Mineral paints:								
Natural pigments [12]..... .....short tons..	57,442	552	(12)	(12)	(12)	(12)	(12)	(12)
Zinc and lead pigments [13] .....short tons..	141,383	14,962	143,244	24,565	102,463	14,801	162,815	22,205
Mineral waters....1,000 galls..	52,114	5,139	36,218	4,861	34,781	4,876	38,000	5,500
Natural gas...1,000,000 cu. ft..	628,579	101,312	798,210	196,194	662,052	174,617	725,000	196,000
Natural-gas gasoline..... .....1,000 gallons..	65,365	5,151	384,744	71,788	449,934	61,815	480,000	67,000
Oilstones, etc.....short tons..	.....	115	1,144	232	831	173	1,016	197
Peat.....do....	42,284	289	73,204	922	30,406	260	60,680	398
Petroleum.....1,000 barrels..	281,104	179,463	442,929	1,360,745	472,183	814,745	551,197	900,200
Phosphate rock..... .....1,000 long tons..	1,836	5,413	4,104	25,080	2,064	12,270	2,418	10,483
Potash (K_2O).....short tons..	1,090	342	41,444	7,463	4,408	448	10,087	393
Pumice.....short tons..	27,708	63	41,838	114	37,108	159	45,262	176
Pyrites.....long tons..	394,124	1,675	310,777	1,597	157,118	711	169,043	671
Salt.....1,000 short tons..	5,352	11,748	6,840	29,894	4,981	24,558	6,793	27,465
Sand:								
Glass.....do....	1,884	1,607	2,166	4,749	1,280	2,314	1,727	2,826
Molding, building, etc., and gravel.....short tons..	74,719	21,515	79,875	60,913	78,565	54,268	94,226	61,469
Sand-lime brick...thousands..	179,643	1,135	169,761	2,490	93,105	1,216	(14)	(14)
Silica (quartz).....short tons..	112,575	274	68,190	320	11,252	85	10,653	101
Slate.....do....	.....	4,959	468,700	8,726	411,500	7,322	607,680	9,177
Stone.....1,000 short tons..	.....	74,595	78,527	133,542	63,539	106,962	81,000	118,500
Sulphur.....1,000 long tons..	294	4,959	1,518	30,000	954	17,000	1,344	22,000
Sulphur acid (60° Baumé) from copper and zinc smelters .....1,000 short tons..	[15] 905	7,621	[15] 1,230	13,617	621	[16] 6,577	(10)	(10)

For footnotes see page 192.

No. 146.—MINERAL PRODUCTION: QUANTITIES AND VALUES OF SPECIFIED KINDS, CALENDAR YEARS 1915 AND 1920 TO 1922—Continued.

Products.	1915		1920		1921		1922	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
		1,000 dollars.		*1,000 dollars.*		*1,000 dollars.*		*1,000 dollars.*
Talc and soapstone.....short tons..	186,891	1,892	210,635	3,035	126,434	1,821	198,684	2,860
Thorium minerals (monazite).....pounds..	36,000	(4)	(17)	(17)	(17)	(17)	(17)	(17)
Total value of nonmetallic products (approximate).....	.....	1,400,484	.....	5,214,170	.....	3,481,890	.....	3,662,500
Total value of metallic products.....	.....	991,730	.....	1,762,350	.....	654,130	.....	985,800
Total value of nonmetallic products (exclusive of mineral fuels).....	.....	427,867	.....	1,021,260	.....	778,420	.....	931,500
Total value of mineral fuels.....	.....	972,017	.....	4,192,910	.....	2,703,470	.....	2,731,000
Total value of "unspecified" (metallic and nonmetallic) products partly estimated.....	.....	2,430	.....	4,820	.....	2,650	.....	3,700
Grand total approximate value of all mineral products.....	.....	2,394,644	.....	6,981,340	.....	4,138,670	.....	4,652,000

[1] Many of the figures for 1922 are preliminary and some of them are estimated. Totals represent the sum of the values here shown with the addition of certain estimates for values not yet available. See following notes.
[2] From both domestic and foreign ores.
[3] From all sources. Values excluded from metallic totals as the values of the antimony contained in antimonial lead are in the antimonial lead values, and the remainder under "Unspecified."
[4] Value not included in total value.
[5] Product from domestic ores only.
[6] Including ore used for fluxing.
[7] Figures showing values not available.
[8] Figures for 1922 not yet available.
[9] Value included in total value of metallic products. Survey not at liberty to publish figures.
[10] Figures not yet available; canvass being conducted by Bureau of Census; estimate of value included in total value of nonmetallic products.
[11] Includes brown coal and lignite, and anthracite mined elsewhere than in Pennsylvania.
[12] Canvass discontinued after 1915. Value of iron ore sold for paint included under "Unspecified."
[13] Sublimed blue lead, sublimed white lead, leaded zinc oxide, and zinc oxide.
[14] No canvass for 1922. Estimate of value included in total value of nonmetallic products.
[15] In 1915 includes 59,189 tons and in 1920, 23,728 tons of stronger acid, not converted to 60° Baumé.
[16] Canvass discontinued by the Survey after 1920. Figures for 1921 obtained through cooperation with Bureau of Census and represent production, the value having been partly estimated by the Survey to cover acid consumed by producer as well as that sold.
[17] No information available for publication.

No. 147.—ANTHRACITE AND BITUMINOUS COAL PRODUCTION: QUANTITIES, CALENDAR YEARS 1880, 1890, 1900, 1910, AND 1918 TO 1922, BY STATES.

[Source: Reports of U. S. Geological Survey, Department of the Interior.]

State.	1880	1890	1900	1910	1918	1919	1920	1921	1922 [1]
BITUMINOUS.	*1,000 net tons.*	*1,000 net tons.*	*1,000 net tons.*	*1,000 net tons.*	*1,000 net tons.*	*1,000 net tons.*	*1,000 net tons.*	*1,000 net tons.*	*1,000 net tons.*
Alabama	324	4,090	8,394	16,111	19,185	15,537	16,294	12,569	16,100
Alaska	.....	.....	.....	.....	.....	61	61	77	(2)
Arkansas	15	400	1,448	1,906	2,227	1,429	2,104	1,228	950
California	237	111	172	11	(2)	(2)	(2)	[3] 39	(2)
Colorado	463	3,077	5,244	11,974	12,408	10,323	12,278	9,123	10,004
Georgia	155	228	316	177	67	53	50	34	(2)
Illinois	6,115	15,292	25,768	45,900	89,291	60,863	88,725	69,603	59,100
Indiana	1,454	3,306	6,484	18,390	30,679	20,912	29,351	20,320	17,330
Iowa	1,461	4,022	5,203	7,928	8,192	5,625	7,814	4,531	4,600
Kansas	771	2,260	4,468	4,921	7,562	5,225	5,926	3,467	3,100
Kentucky	946	2,701	5,329	14,623	31,613	30,036	35,691	31,588	40,100
Maryland	2,229	3,358	4,025	5,217	4,497	3,022	4,065	1,828	1,100
Michigan	101	75	849	1,535	1,465	997	1,490	1,142	940
Missouri	844	2,735	3,540	2,982	5,668	3,979	5,370	3,552	2,700
Montana	(4)	517	1,662	2,921	4,533	3,236	4,414	2,734	2,400
New Mexico	.....	376	1,299	3,508	4,023	3,139	3,683	2,453	3,100
North Carolina	(4)	10	18	.....	1	7	12	23	(2)
North Dakota	.....	30	130	399	720	841	949	865	1,180
Ohio	6,009	11,495	18,988	34,210	45,813	35,877	45,878	31,943	26,500
Oklahoma	121	869	1,922	2,646	4,813	3,802	4,849	3,363	2,800
Oregon	43	62	59	68	13	19	21	(5)	(2)
Pennsylvania	18,425	42,302	79,842	150,522	178,551	150,758	170,608	116,014	105,000
South Dakota	.....	.....	.....	.....	.....	14	13	8	(2)
Tennessee	495	2,170	3,510	7,121	6,831	5,213	6,662	4,460	4,600
Texas	.....	184	968	1,892	2,261	1,681	1,615	973	1,000
Utah	15	318	1,147	2,518	5,137	4,631	6,005	4,079	4,864
Virginia	43	784	2,394	6,508	10,290	9,327	11,379	7,492	11,100
Washington	145	1,264	2,474	3,912	4,082	2,990	3,757	2,429	2,400
West Virginia	1,830	7,395	22,647	61,671	89,936	79,037	89,971	72,787	81,000
Wyoming	590	1,870	4,015	7,533	9,439	7,220	9,630	7,201	5,800
Miscellaneous [6]	(4)	1	1	5	90	7	3	.....	126
Total bituminous	42,831	111,302	212,316	417,109	579,386	465,860	568,667	415,922	407,894
Pennsylvania (anthracite)	28,650	46,469	57,368	84,485	98,826	88,092	89,598	90,473	52,485
Grand total	71,481	157,771	269,684	501,594	678,212	553,953	658,265	506,395	460,379
AMOUNTS MARKETED.[7]									
Pennsylvania anthracite:									
1,000 tons	.....	43,012	51,918	75,644	85,928	76,129	76,844	77,901	.....
Value 1,000 dolls	.....	66,384	85,758	160,275	336,480	364,927	434,252	452,305	.....
Bituminous:									
1,000 tons	.....	109,713	208,575	407,444	503,089	409,149	504,873	382,064	.....
Value 1,000 dolls	.....	110,421	220,930	469,282	1,491,810	1,160,616	2,129,933	1,199,984	.....
Total:									
1,000 tons	.....	152,725	260,493	483,087	589,016	485,278	581,717	459,965	.....
Value 1,000 dolls	.....	176,805	306,688	629,557	1,828,290	1,525,543	2,564,185	1,652,289	.....

[1] Estimated production.
[2] Included under "Miscellaneous."
[3] Includes Oregon and Idaho.
[4] Less than 500.
[5] Included under California.
[6] Irregular production from several unimportant sources.
[7] Quantities represent amounts shipped to market; values are those of entire product, including mine fuel.

No. 148.—PIG-IRON PRODUCTION, CALENDAR YEARS 1900 TO 1922, AND THE NUMBER OF FURNACES, DECEMBER 31, 1922: BY STATES AND BY GEOGRAPHIC DIVISIONS.

[Source: Annual reports of the American Iron and Steel Institute.]

Geographic division and State.	Pig-iron production.[1]						Furnaces Dec. 31, 1922.	
	1900	1910	1915	1920	1921	1922	In blast.	Total.
	1,000 tons.	*1,000 tons.*	*1,000 tons.*	*1,000 tons.*	*1,000 tons.*	*1,000 tons.*	*Number.*	*Number.*
New England and Middle Atlantic	6,843	13,492	14,903	16,595	7,224	11,505	107	194
Maine, Massachusetts, Connecticut	14	17	8	10	2	1	1	3
New York, New Jersey	463	2,203	2,105	2,601	969	1,772	16	31
Pennsylvania	6,366	11,272	12,791	13,983	6,253	9,732	90	160
Southern	2,605	3,398	3,021	4,402	1,706	3,231	43	101
Maryland	290	326	252	524	147	416	4	7
Virginia	491	445	251	429	67	(2)	4	17
Alabama	1,184	1,939	2,049	2,393	1,207	2,231	25	43
West Virginia, Georgia, Kentucky, Texas, Mississippi	277	290	291	772	265	460	4	17
Tennessee	362	398	178	283	19	124	6	17
Central, Mountain, and Pacific	4,342	10,414	11,992	15,930	7,758	12,484	113	154
Ohio	2,471	5,752	6,913	8,533	3,800	6,484	58	80
Illinois	1,363	2,676	2,447	3,281	1,612	2,625	18	26
Indiana, Michigan	164	1,250	1,987	2,940	1,894	2,727	27	29
Wisconsin, Minnesota	185	307	373	711	227	381	7	10
Missouri, Iowa, Colorado, Montana, Washington, Oregon, California	159	429	272	465	226	267	3	9
Total	13,789	27,304	29,916	36,926	16,688	27,220	263	449

[1] In tons of 2,240 pounds. Includes all pig-iron and ferro-alloys. [2] Included in Maryland.

No. 149.—CRUDE-STEEL PRODUCTION: QUANTITIES AND KINDS, 1889 TO 1922.

[Sources: Annual reports of the American Iron and Steel Association prior to 1912; for later years from annual reports of the American Iron and Steel Institute.]

Calendar year.	Bessemer ingots and castings.	Open-hearth ingots and castings.	Crucible ingots and castings.	All other steels.	Total.
	Long tons.	*Long tons.*	*Long tons.*	*Long tons.*	*Long tons.*
1889	2,930,204	374,543	75,865	5,120	3,385,732
1890	3,688,871	513,232	71,175	3,793	4,277,071
1891	3,247,417	579,753	72,586	4,484	3,904,240
1892	4,168,435	669,889	84,709	4,548	4,927,581
1893	3,215,686	737,890	63,613	2,806	4,019,995
1894	3,571,313	784,936	51,702	4,081	4,412,032
1895	4,909,128	1,137,182	67,666	858	6,114,834
1896	3,919,906	1,298,700	60,689	2,394	5,281,689
1897	5,475,315	1,608,671	69,959	3,012	7,156,957
1898	6,609,017	2,230,292	89,747	3,801	8,932,857
1899	7,586,354	2,947,316	101,213	4,974	10,639,857
1900	6,684,770	3,398,135	100,562	4,862	10,188,329
1901	8,718,302	4,656,309	98,513	5,471	13,478,595
1902	9,138,363	5,687,729	112,772	8,386	14,947,250
1903	8,592,829	5,829,911	102,434	9,804	14,534,978
1904	7,859,140	5,908,166	88,391	9,190	13,859,887
1905	10,941,375	8,971,376	102,233	8,963	20,023,947
1906	12,275,880	10,980,413	127,513	14,380	23,398,136
1907	11,667,549	11,549,736	131,234	14,075	23,362,594
1908	6,116,755	7,836,729	63,631	6,132	14,023,247
1909	9,330,783	14,493,936	107,355	22,947	23,955,021
1910	9,412,772	16,504,509	122,303	55,335	26,094,919
1911	7,947,854	15,598,650	97,653	31,949	23,676,106
1912	10,327,901	20,780,723	121,517	21,162	31,251,303
1913	9,545,706	21,599,931	121,226	34,011	31,300,874
1914	6,220,846	17,174,684	89,869	27,631	23,513,030
1915	8,287,213	23,679,102	113,782	70,939	32,151,036
1916	11,059,039	31,415,427	129,692	169,522	42,773,680
1917	10,479,960	34,148,893	126,716	305,038	45,060,607
1918	9,376,236	34,459,391	115,112	511,693	44,462,432
1919	7,271,562	26,948,694	63,572	387,404	34,671,232
1920	8,883,087	32,671,895	72,265	505,687	42,132,934
1921	4,015,938	15,589,802	7,613	170,444	19,783,797
1922	5,919,298	29,308,983	28,606	346,039	35,602,926

No. 150.—IRON-ORE PRODUCTION (MARKETED): QUANTITIES, BY STATES, FOR SPECIFIED CALENDAR YEARS 1914 TO 1922.

[Source: Reports of U. S. Geological Survey, Department of the Interior.]

State.	1914	1916	1918	1920	1921	1922
	Long tons.	*Long tons.*	*Long tons.*	*Long tons.*	*Long tons.*	*Long tons.*
Alabama	4,514,926	6,801,839	6,121,087	5,833,317	2,835,761	5,294,520
California	1,282	2,970	3,121	6,592	2,064	3,204
Georgia	66,222	252,143	262,003	104,482	3,822	28,566
Michigan	8,533,280	18,995,797	17,587,416	18,862,578	5,011,804	12,457,856
Minnesota	23,298,547	45,869,251	43,263,240	39,747,594	17,648,603	30,209,372
Missouri	36,304	34,914	71,968	50,825	(1)	58,320
Montana	(1)	.....	(1)	10,803	26,174	21,726
New Jersey	346,820	528,084	375,238	417,100	115,132	90,374
New Mexico	(1)	157,779	275,266	274,705	110,528	(1)
New York	640,252	1,464,917	899,970	959,408	174,368	191,195
North Carolina	(1)	(1)	108,332	71,810	(1)	19,279
Pennsylvania	400,062	558,556	515,845	719,813	187,062	782,916
Tennessee	330,214	467,741	408,954	373,012	25,219	159,473
Utah	(1)	(1)	52,722	36,159	60,773	15,018
Virginia	346,382	486,798	400,135	320,109	54,353	30,359
Wisconsin	591,595	1,529,459	1,167,640	1,067,159	117,755	794,673
All other	608,394	720,305	508,265	425,875	279,110	455,769
Total	39,714,280	77,870,553	72,021,202	69,281,341	26,652,528	50,612,620

[1] Figures included under "All other."

No. 151.—IRON AND STEEL MANUFACTURES: QUANTITIES AND KINDS, CALENDAR YEARS 1917 TO 1921.

[Source: Annual reports of the American Iron and Steel Institute.]

Article.	1917	1918	1919	1920	1921
	Long tons.	*Long tons.*	*Long tons.*	*Long tons.*	*Long tons.*
Pig iron	38,621,216	39,054,644	31,015,364	36,925,987	16,688,126
Spiegeleisen and ferromanganese (included with pig iron)	453,110	616,880	269,603	406,896	160,178
Finished iron and steel:					
Rails—					
Bessemer steel	533,325	494,193	214,121	142,899	55,559
Open-hearth steel	2,292,197	1,945,443	1,893,250	2,334,222	2,027,215
Iron[1]	118,639	101,256	96,472	126,995	96,044
Total rails	2,944,161	2,540,892	2,203,843	2,604,116	2,178,818
Structural shapes	3,110,000	2,849,969	2,614,036	3,306,748	1,272,624
Wire rods	3,137,138	2,562,390	2,538,476	3,136,907	1,564,330
Plate and sheet, except nail plate and skelp	8,267,616	8,799,135	7,372,814	9,337,680	4,260,574
Nail and spike plate	22,864	18,310	12,832	20,577	14,573
Bar, bolt, hoop, skelp, rolled axles, rolled armor plate, etc	15,585,921	14,385,058	10,359,543	13,941,835	5,483,087
Total finished rolled, including rails	33,067,700	31,155,754	25,101,544	32,347,863	14,774,006
Nails:					
Cut nails and cut spikes[2]	461,674	418,811	394,477	844,583	538,834
Wire nails[2]	17,040,666	12,279,800	13,094,221	16,449,506	11,889,412
Steel ingots and castings:					
Bessemer	10,479,960	9,376,236	7,271,562	8,883,087	4,015,938
Open-hearth	34,148,893	34,459,391	26,948,694	32,671,895	15,589,802
Crucible	126,716	115,112	63,572	72,265	7,613
All other, including electric	305,038,	511,693	387,404	505,687	170,444
Total crude steel	45,060,607	44,462,432	34,671,232	42,132,934	19,783,797
Ore, pig, and scrap blooms for sale	7,841	8,300	1,027	2,731	2,871
Tin plates and terneplates	1,512,146	1,473,939	1,151,347	1,445,545	793,198

[1] Includes electric steel rails; also rails rerolled from old steel rails which the manufacturers could not classify as Bessemer or open-hearth.

[2] Kegs of 100 pounds.

MANUFACTURES.

No. 152.—MANUFACTURES: Classified According to Average Number of Wage Earners, 1919 and 1921.

[Source: Bureau of the Census, Department of Commerce.]

Number of wage earners.	1919				1921			
	Number of establishments.	Average number of wage earners.	Per cent of total.		Number of establishments.	Average number of wage earners.	Per cent of total.	
			Establishments.	Wage earners.			Establishments.	Wage earners.
None	37,934	.....	13.1	.....	8,719	.....	4.4	.....
1 to 5	141,742	311,576	48.9	3.4	85,413	219,538	43.5	3.2
6 to 20	56,208	631,290	19.4	6.9	53,852	595,870	27.5	8.6
21 to 50	25,379	829,301	8.7	9.1	23,904	776,660	12.2	11.1
51 to 100	12,405	888,344	4.3	9.8	11,052	791,229	5.6	11.4
101 to 250	10,067	1,581,557	3.5	17.4	8,527	1,328,113	4.4	19.1
251 to 500	3,600	1,251,081	1.2	13.8	2,919	1,017,445	1.5	14.6
501 to 1,000	1,749	1,205,627	0.6	13.3	1,237	854,818	0.6	12.4
Over 1,000	1,021	2,397,596	0.4	26.4	644	1,362,897	0.3	19.6
Total	290,105	9,096,372	100.0	100.0	196,267	6,946,570	100.0	100.0

No. 153.—MANUFACTURES: Number and Horsepower of Types of Prime Movers, 1909, 1914, and 1919.

[Source: Bureau of the Census, Department of Commerce.]

Power.	Number of engines of motors.			Horsepower.					
				Amount.			Per cent distribution.		
	1909	1914	1919	1909	1914	1919	1909	1914	1919
Primary power:									
Owned	209,163	192,934	170,068	16,802,706	18,439,941	20,124,961	90.0	82.1	68.1
Steam [1]	153,525	137,172	122,629	14,228,632	15,621,593	17,097,979	76.2	69.5	57.8
Engines	.....	.....	116,155	.....	.....	13,839,738	.....	.....	46.8
Turbines	.....	.....	6,474	.....	.....	3,258,241	.....	.....	11.0
Internal-combustion engines	34,356	37,693	33,406	751,186	991,905	1,259,394	4.0	4.4	4.3
Water	21,282	18,069	14,033	1,822,888	1,826,443	1,767,588	9.8	8.1	6.0
Water wheels and turbines	.....	.....	13,244	.....	.....	1,753,548	.....	.....	5.9
Water motors	.....	.....	789	.....	.....	14,040	.....	.....	(2)
Rented	199,309	451,002	996,000	1,872,670	4,030,931	9,442,156	10.1	17.9	31.9
Electric	199,309	451,002	996,000	1,749,031	3,901,048	9,347,556	9.4	17.4	31.6
Other	.....	.....	.....	123,639	129,883	94,600	0.7	0.6	0.3
Electric	388,854	772,362	1,491,229	4,817,140	8,839,770	16,297,383	100.0	100.0	100.0
Rented	199,309	451,002	996,000	1,749,031	3,901,048	9,347,556	36.3	44.1	57.4
Generated by establishments reporting	189,545	321,360	495,229	3,068,109	4,938,722	6,949,827	63.7	55.9	42.6
Total	408,472	643,936	1,166,068	18,675,376	22,470,872	29,567,117	100.0	100.0	100.0

[1] Figures for horsepower include for 1909 the amounts reported under the head of "other" owned power.
[2] Less than one-tenth of 1 per cent.

No. 154.—MANUFACTURES: Fuel Used, Classified According to Kinds, 1914 and 1919.

[Source: Bureau of the Census, Department of Commerce.]

		1914	1919
Anthracite coal	long tons	14,041,123	14,557,024
Bituminous coal	short tons	166,589,372	203,444,000
Coke	do	32,539,325	43,561,633
Fuel oils	bbls. of 42 galls.	48,689,232	92,611,186
Gasoline and other volatile oils	do	(1)	2,344,469
Gas	1,000 cu. ft.	285,609,876	344,570,711

[1] Included in figures for fuel oils.

No. 155.—MANUFACTURES: CLASSIFIED ACCORDING TO CHARACTER OF OWNERSHIP OF THE ESTABLISHMENT, CALENDAR YEARS 1904, 1909, 1914, AND 1919.

[Source: Bureau of the Census, Department of Commerce.]

Character of ownership, and year.	Establishments.		Wage earners.		Products.		Added by manufacture.	
	Number.	Per cent of total.	Average number.	Per cent of total.	Value.	Per cent of total.	Value.	Per cent of total.
Individual:					*Dollars.*		*Dollars.*	
1904	113,946	52.7	755,923	13.8	1,702,830,624	11.5	824,292,887	13.1
1909	140,605	52.4	804,883	12.2	2,042,061,500	9.9	968,824,072	11.4
1914	142,436	51.6	707,568	10.1	1,925,518,298	7.9	903,524,881	9.1
1919	138,112	47.6	623,468	6.9	3,536,321,836	5.7	1,555,136,394	6.2
Corporation:								
1904	51,097	23.6	3,862,698	70.6	10,904,069,307	73.7	4,526,055,153	71.9
1909	69,501	25.9	5,002,393	75.6	16,341,116,634	79.0	6,582,207,117	77.2
1914	78,151	28.3	5,649,891	80.3	20,177,084,844	83.2	8,088,691,744	81.9
1919	91,517	31.5	7,875,133	86.6	54,744,392,855	87.7	21,817,546,565	87.0
Other:								
1904	51,137	23.7	849,762	15.5	2,187,002,632	14.8	943,346,713	15.0
1909	58,385	21.7	807,770	12.2	2,288,873,736	11.1	978,229,803	11.5
1914	55,204	20.0	678,788	9.7	2,143,831,582	8.8	886,129,268	9.0
1919	60,476	20.8	597,771	6.6	4,137,364,082	6.6	1,669,015,531	6.7

No. 156.—MANUFACTURES: CLASSIFIED ACCORDING TO SIZE OF ESTABLISHMENT, AS MEASURED BY THE VALUE OF PRODUCTS, CALENDAR YEARS 1904, 1909, 1914, 1919, AND 1921.

[Source: Bureau of the Census, Department of Commerce.]

Value of product, and year.	Establishments.		Wage earners.		Products.		Added by manufacture.[1]	
	Number.	Per cent of total.	Average number.	Per cent of total.	Value.	Per cent of total.	Value.	Per cent of total.
Less than $5,000:					*Dollars.*		*Dollars.*	
1904	71,147	32.9	106,353	1.9	176,128,212	1.2	114,781,124	1.8
1909	93,349	34.8	142,430	2.2	222,463,847	1.1	144,246,008	1.7
1914	97,061	35.2	129,623	1.8	233,381,081	1.0	151,739,764	1.5
1919	65,485	22.6	45,813	0.5	167,085,044	0.3	106,653,362	0.4
1921	53,999	21.6	40,929	0.6	136,926,076	0.3	.....	.....
$5,000 and less than $20,000:								
1904	72,791	33.7	419,466	7.7	751,047,759	5.1	424,129,643	6.7
1909	86,988	32.4	470,006	7.1	904,645,664	4.4	509,907,934	6.0
1914	87,931	31.9	429,037	6.1	905,693,168	3.7	507,430,875	5.1
1919	87,440	30.1	249,722	2.7	945,602,857	1.5	539,698,109	2.2
1921	71,074	28.4	224,854	3.2	783,020,603	1.8	.....	.....
$20,000 and less than $100,000:								
1904	48,096	22.2	1,027,047	18.8	2,129,257,883	14.4	1,090,271,887	17.3
1909	57,270	21.3	1,090,449	16.5	2,544,426,711	12.3	1,258,317,991	14.8
1914	56,814	20.6	999,510	14.2	2,550,229,411	10.5	1,238,879,430	12.5
1919	77,911	26.9	793,528	8.7	3,571,283,301	5.7	1,747,729,538	7.0
1921	72,253	28.9	746,725	10.7	3,333,115,623	7.6	.....	.....
$100,000 and less than $1,000,000:								
1904	22,246	10.3	2,515,064	46.0	6,109,012,538	41.3	2,782,641,883	44.2
1909	27,824	10.4	2,896,532	43.8	7,946,935,255	38.4	3,572,746,038	41.9
1914	30,166	11.0	3,002,071	42.7	8,763,070,135	36.2	3,888,094,982	39.4
1919	48,856	16.9	2,834,776	31.2	15,443,227,140	24.8	7,035,589,748	28.1
1921	45,604	18.2	2,596,237	37.1	13,706,613,237	31.3	.....	.....
$1,000,000 and over:								
1904	1,900	0.9	1,400,453	25.6	5,628,456,171	38.9	1,881,870,216	29.9
1909	3,060	1.1	2,015,629	30.5	9,053,580,393	43.8	3,044,043,021	35.7
1914	3,819	1.4	2,476,006	35.2	11,794,060,929	48.6	4,092,200,842	41.4
1919	10,413	3.6	5,172,533	56.9	42,290,880,431	67.9	15,612,027,733	62.3
1921	7,336	2.9	3,379,754	48.4	25,830,533,370	59.0	.....	.....
Total:								
1904	216,180	100.0	5,468,383	100.0	14,793,902,563	100.0	6,293,694,753	100.0
1909	268,491	100.0	6,615,046	100.0	20,672,051,870	100.0	8,529,260,992	100.0
1914	275,791	100.0	7,036,247	100.0	24,246,434,724	100.0	9,878,345,893	100.0
1919	290,105	100.0	9,096,372	100.0	62,418,078,773	100.0	25,041,698,490	100.0
1921	250,266	100.0	6,987,499	100.0	43,790,208,909	100.0	18,316,666,082	.....

[1] Not available for 1921 by size of establishment.

No. 157.—MANUFACTURES: SUMMARY BY GENERAL GROUPS, 1904, 1909, 1914, 1919, AND 1921.[1]

[Source: Bureau of the Census, Department of Commerce.]

Group.	Census.	Number of establishments.	Wage earners (average number).	Capital.[2]	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horsepower.[2]
				1,000 dollars.	*1,000 dollars.*	*1,000 dollars.*	*1,000 dollars.*	*1,000 dollars.*	
Food and kindred products.	1921	45,505	568,734	.....	665,060	5,938,198	7,849,608	1,911,410	.....
	1919	61,312	684,672	4,635,150	722,540	10,111,547	12,438,891	2,327,344	2,571,257
	1914	59,317	496,234	2,174,386	278,009	3,828,512	4,816,710	988,198	1,994,983
	1909	55,364	411,575	1,696,754	208,663	3,187,803	3,937,618	749,815	1,725,985
	1904	45,857	354,046	1,169,873	164,511	2,306,121	2,845,556	539,435	1,405,567
Textiles and their products.	1921	26,039	1,510,876	.....	1,473,369	3,804,007	6,960,928	3,156,921	.....
	1919	28,552	1,611,309	6,096,161	1,482,327	5,382,079	9,216,103	3,834,024	3,274,090
	1914	23,344	1,507,374	2,836,279	676,460	2,015,502	3,447,997	1,432,495	2,752,054
	1909	22,057	1,445,720	2,507,427	595,243	1,763,267	3,086,944	1,323,677	2,289,316
	1904	17,344	1,163,497	1,758,306	422,570	1,260,405	2,168,892	908,487	1,757,553
Iron and steel and their products.	1921	16,578	1,031,523	.....	1,320,364	3,003,282	5,601,293	2,598,011	.....
	1919	20,120	1,585,712	8,711,843	2,193,203	4,815,885	9,403,634	4,587,749	8,082,692
	1914	17,719	1,061,058	4,281,998	723,163	1,762,312	3,223,142	1,460,830	5,537,842
	1909	17,292	1,026,553	3,578,602	635,323	1,799,943	3,164,472	1,364,529	4,561,285
	1904	14,431	868,634	2,351,051	488,598	1,190,793	2,199,776	1,008,983	3,326,702
Lumber, and its remanufactures.	1921	20,273	675,069	.....	660,040	1,188,766	2,429,513	1,240,747	.....
	1919	39,955	839,008	2,590,046	847,032	1,359,999	3,070,073	1,710,074	3,417,941
	1914	42,036	833,529	1,723,454	440,308	762,351	1,599,712	837,361	3,185,861
	1909	48,539	911,593	1,570,549	424,759	717,833	1,588,274	870,441	3,250,296
	1904	32,501	734,136	1,009,950	335,045	517,501	1,219,749	702,248	2,218,266
Leather, and its finished products.	1921	4,813	280,071	.....	314,412	934,398	1,544,185	609,788	.....
	1919	6,397	349,362	1,554,502	363,453	1,713,807	2,610,231	896,423	389,130
	1914	6,758	307,060	743,347	169,358	753,135	1,104,595	351,459	317,887
	1909	5,728	309,766	659,231	155,111	669,875	992,713	322,839	281,117
	1904	5,318	264,459	451,796	120,833	480,221	724,391	244,170	203,620
Paper and printing.	1921	25,355	467,072	.....	637,128	1,331,324	3,148,747	1,817,423	.....
	1919	36,403	509,875	2,423,400	564,510	1,306,718	3,012,584	1,705,866	2,351,224
	1914	37,196	452,900	1,433,177	296,492	580,717	1,456,047	875,330	2,051,984
	1909	34,828	415,990	1,133,618	242,062	451,239	1,179,285	728,047	1,674,061
	1904	30,803	351,640	803,662	186,422	309,012	859,814	550,802	1,307,781
Liquors and beverages.	1921	3,998	35,374	.....	48,620	157,522	292,179	134,657	.....
	1919	6,354	55,442	781,572	66,140	222,776	603,895	381,119	415,361
	1914	7,562	88,152	1,015,714	69,124	246,189	772,080	525,891	525,769
	1909	7,347	77,827	874,108	53,502	186,128	674,311	488,183	446,450
	1904	6,379	68,338	659,539	45,144	139,849	501,254	361,405	347,723
Chemicals and allied products.	1921	9,667	329,472	.....	401,679	3,070,474	4,537,107	1,466,633	.....
	1919	12,224	427,008	5,617,738	493,744	3,747,675	5,610,299	1,862,624	2,043,525
	1914	12,374	299,569	3,034,209	167,494	1,289,346	2,001,635	712,289	1,497,831
	1909	12,060	267,261	2,167,425	129,003	931,044	1,526,599	595,555	1,025,676
	1904	9,826	227,326	1,588,328	102,388	633,919	1,075,519	441,601	729,627
Stone, clay, and glass products.	1921	8,296	250,812	.....	304,931	421,479	1,018,604	597,125	.....
	1919	12,529	298,659	1,262,212	328,559	408,571	1,085,529	676,958	1,569,719
	1914	14,747	334,612	987,331	205,420	238,735	614,162	375,427	1,490,975
	1909	16,168	342,827	857,760	189,256	183,792	531,737	347,945	1,240,908
	1904	10,773	285,346	553,785	148,458	123,067	391,147	268,081	775,718
Metals and metal products, other than iron and steel.	1921	8,065	235,170	.....	281,065	994,665	1,574,943	580,278	.....
	1919	10,667	339,469	1,796,669	394,628	1,910,035	2,760,294	850,259	988,688
	1914	10,023	262,154	1,013,632	166,895	1,023,353	1,417,043	393,690	575,025
	1909	8,783	249,607	867,407	146,794	892,066	1,240,410	348,344	463,136
	1904	5,880	198,531	571,902	110,208	633,133	895,975	262,842	290,416
Tobacco manufactures.	1921	4,372	149,985	.....	120,903	608,688	1,048,490	439,801	.....
	1919	10,291	157,097	604,840	123,988	483,568	1,012,933	529,365	43,397
	1914	13,951	178,872	303,840	77,856	207,134	490,165	283,032	38,737
	1909	15,822	166,810	245,660	69,355	177,186	416,695	239,509	28,514
	1904	16,827	159,406	323,983	62,639	126,086	331,111	205,026	24,604

[1] Statistics for 1921 do not include establishments with products under $5,000 in value, or establishments engaged in automobile repairing.
[2] Not available for 1921.

No. 157.—MANUFACTURES: SUMMARY BY GENERAL GROUPS, 1904, 1909, 1914, 1919, AND 1921—Continued.

Group.	Census.	Number of establishments.	Wage earners (average number).	Capital.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horsepower.
				1,000 dollars.	*1,000 dollars.*	*1,000 dollars.*	*1,000 dollars.*	*1,000 dollars.*	
Vehicles for land transportation.	1921	3,590	281,350	.....	412,715	1,575,824	2,508,655	932,831	.....
	1919	21,152	495,939	2,423,239	689,475	2,498,226	4,058,912	1,560,686	880,496
	1914	9,909	263,076	803,496	197,077	586,670	1,034,497	447,827	454,921
	1909	6,562	202,719	521,457	121,047	306,537	561,763	255,227	327,239
	1904	6,058	136,625	287,847	72,659	177,641	320,624	142,983	189,961
Railroad repair shops.	1921	2,326	418,285	.....	671,956	506,571	1,267,343	760,771	.....
	1919	2,368	515,709	776,844	726,690	547,829	1,354,446	806,617	648,345
	1914	2,011	365,902	417,706	253,150	261,438	552,618	291,180	478,983
	1909	1,686	304,592	277,216	195,830	214,581	437,563	222,982	329,155
	1904	1,226	247,922	159,792	149,166	156,568	323,212	166,644	171,127
Miscellaneous industries.	1921	17,390	712,777	.....	888,081	1,801,420	3,871,689	2,070,269	.....
	1919	21,781	1,227,111	5,295,377	1,537,110	2,867,667	6,180,256	3,312,589	2,831,252
	1914	18,844	585,755	2,022,410	357,527	812,694	1,716,033	903,339	1,568,020
	1909	16,255	482,206	1,471,056	261,089	661,499	1,333,668	672,169	1,032,238
	1904	12,957	408,477	985,766	201,808	445,892	936,882	490,990	739,042
All industries	1921	196,267	6,946,570	.....	8,200,324	25,336,617	43,653,283	18,316,666	.....
	1919	290,105	9,096,372	44,569,594	10,533,400	37,376,380	62,418,079	25,041,698	29,507,117
	1914	275,791	7,036,247	22,790,980	4,078,332	14,368,089	24,246,435	9,878,346	22,470,872
	1909	268,491	6,615,046	18,428,270	3,427,038	12,142,791	20,672,052	8,529,261	18,675,376
	1904	216,180	5,468,383	12,675,581	2,610,445	8,500,208	14,793,903	6,293,695	13,487,707

No. 158.—SUMMARY OF MANUFACTURES: BETWEEN CENSUS GROUPS OF YEARS. BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1921[1], 1919, AND 1914.

[Source: Reports of the Bureau of the Census, Department of Commerce. The figures for some industries do not represent the total production, because important establishments that manufacture the same class of products may be included in other industries. Primary horsepower includes power generated in manufacturing establishments plus electric and other power rented from outside sources; it does not include electric power generated by primary units of the establishments reporting.]

Industry.	Census year.	Number of establishments	Wage earners (average number).	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
				Dollars.	*Dollars.*	*Dollars.*	*Dollars.*
Airplanes, seaplanes, and airships, and parts.	1921	21	1,395	2,202,307	2,407,395	6,641,988	4,234,593
	1919	31	3,543	4,906,740	7,126,965	14,372,643	7,245,678
	1914	16	168	134,827	133,939	789,872	655,933
Agricultural implements.	1921	353	30,359	39,835,414	87,267,274	163,816,679	76,549,405
	1919	521	54,368	66,704,434	144,571,943	304,961,265	160,389,322
	1914	601	48,459	34,593,325	73,508,645	164,086,835	90,578,190
Aluminum manufactures.	1921	87	9,584	10,835,597	25,952,529	45,822,161	19,869,632
	1919	83	11,402	13,327,306	49,271,861	75,277,948	26,006,087
	1914	37	4,614	2,611,251	14,421,319	19,597,465	5,176,146
Ammunition	1921	28	8,370	7,896,382	16,006,385	32,350,445	16,344,060
	1919	42	22,816	23,587,692	38,101,602	88,038,223	49,936,621
	1914	32	11,493	6,750,986	16,276,575	30,840,472	14,563,897
Artificial flowers	1921	201	3,883	3,820,652	5,849,789	14,188,221	8,338,432
	1919	224	4,138	3,740,911	7,004,646	16,143,165	9,138,519
	1914	217	4,808	1,990,768	3,206,868	7,614,049	4,407,181
Artificial limbs	1921	105	500	724,920	619,290	2,451,275	1,831,985
	1919	177	671	791,525	774,447	3,271,406	2,496,959
	1914	153	488	369,289	315,762	1,498,154	1,182,392
Artificial-stone products	1921	1,123	6,984	8,690,770	13,483,392	31,768,143	18,284,751
	1919	2,785	8,378	9,310,899	13,913,317	33,664,332	19,751,015
	1914	3,548	10,255	6,307,752	8,903,630	21,933,630	13,030,000
Artists' materials	1921	55	1,008	1,198,814	3,989,642	6,959,766	2,970,124
	1919	58	926	895,764	2,687,226	5,507,656	2,820,430
	1914	44	604	314,504	2,064,716	3,237,729	1,173,013
Asbestos products, not including steam packing.	1921	40	2,026	1,947,698	6,076,000	13,030,440	6,954,440
	1919	46	3,654	3,731,974	12,947,702	23,977,557	11,029,855
	1914	32	962	483,736	1,360,185	2,813,578	1,453,393
Automobile repairing [2]	1919	15,507	55,061	71,613,471	87,648,853	224,652,159	137,003,306
	1914	3,273	12,562	10,613,693	9,153,817	29,920,151	20,766,334
Awnings, tents, and sails.	1921	709	5,070	5,930,577	21,327,125	37,011,718	15,684,593
	1919	895	6,028	5,858,523	26,961,140	45,690,390	18,729,250
	1914	888	5,073	2,953,884	10,155,101	18,138,326	7,983,225
Babbitt metal and solder.	1921	98	1,372	1,880,036	22,355,006	26,255,075	3,900,069
	1919	118	2,372	2,882,128	48,844,269	59,016,983	10,172,714
	1914	109	1,035	701,234	15,652,180	19,179,976	3,527,796
Bags, other than paper, not including bags made in textile mills.	1921	169	10,324	8,031,523	99,437,815	115,452,413	16,014,598
	1919	216	10,756	7,756,582	176,017,560	214,059,474	38,041,914
	1914	138	9,358	3,788,837	67,021,376	79,049,151	12,027,775
Bags, paper, exclusive of those made in paper mills.	1921	57	3,707	3,475,487	29,797,291	41,190,179	11,392,888
	1919	75	4,168	3,662,830	33,350,481	47,263,990	13,913,509
	1914	59	3,505	1,659,070	12,200,884	17,602,543	5,401,659
Baking powders and yeast.	1921	62	3,557	4,479,099	24,666,261	52,885,888	28,219,627
	1919	88	3,331	3,554,534	26,635,429	46,230,312	19,594,883
	1914	124	2,270	1,241,316	10,894,844	22,339,347	11,444,503
Baskets, and rattan and willow ware.	1921	198	4,795	3,651,485	5,230,368	11,241,001	6,010,633
	1919	375	4,533	3,369,086	4,904,241	11,821,167	6,916,926
	1914	419	4,574	1,922,965	2,999,285	6,578,468	3,579,183
Bells	1921	9	203	199,693	277,209	645,161	367,952
	1919	10	237	205,110	450,149	950,956	500,807
	1914	12	445	244,113	437,878	969,625	531,747

[1] See note 1, Table No. 157.
[2] Not available for 1921.

No. 158.—SUMMARY OF MANUFACTURES: BETWEEN CENSUS GROUPS OF YEARS. BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1921, 1919, AND 1914—Continued.

Industry.	Census year.	Number of establishments.	Wage earners (average number).	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
				Dollars.	*Dollars.*	*Dollars.*	*Dollars.*
Belting and hose, rubber.	1921	18	3,007	3,107,597	7,242,824	14,880,277	7,637,453
	1919	15	5,826	6,073,539	18,310,401	34,210,540	15,900,139
	1914	18	5,115	2,902,193	12,967,004	23,560,889	10,593,885
Belting and hose, other than leather and rubber.	1921	31	1,119	1,107,845	3,396,371	6,390,498	2,994,127
	1919	41	2,479	2,202,188	11,642,011	19,176,277	7,534,266
	1914	31	952	459,563	2,868,801	4,440,775	1,571,974
Belting, leather	1921	164	2,268	2,841,644	13,075,740	19,168,255	6,092,515
	1919	172	2,765	3,260,439	28,156,711	40,480,654	12,323,943
	1914	151	2,951	2,069,545	15,480,110	23,035,951	7,555,841
Billiard tables, bowling alleys, and accessories.	1921	36	925	1,056,978	3,377,473	7,367,920	3,990,447
	1919	49	2,101	2,425,353	6,100,852	15,733,047	9,632,195
	1914	54	1,453	984,517	2,488,261	4,894,081	2,405,820
Blacking, stains, and dressings.	1921	173	1,666	1,522,333	9,362,119	18,452,864	9,090,745
	1919	220	2,455	2,109,103	14,041,840	25,284,072	11,242,232
	1914	197	1,766	877,434	5,128,614	9,881,594	4,752,980
Bluing	1921	33	226	203,460	1,017,713	1,883,225	865,512
	1919	57	360	285,063	1,542,954	2,731,277	1,188,323
	1914	66	254	104,853	489,431	1,184,045	694,614
Bone, carbon, and lampblack.	1921	45	826	979,845	3,745,146	8,180,844	4,435,698
	1919	35	675	808,332	2,848,059	6,186,204	3,338,145
	1914	27	339	230,821	686,240	1,463,569	777,329
Bookbinding and blank-book making.	1921	869	17,465	20,317,877	19,886,243	63,854,402	43,968,159
	1919	1,113	20,361	18,658,821	23,235,171	66,020,677	42,785,506
	1914	1,124	21,693	11,574,723	13,334,207	38,104,368	24,770,161
Boot and shoe cut stock, exclusive of that produced in boot and shoe factories.	1921	226	7,049	7,613,216	56,922,902	72,691,564	15,768,662
	1919	252	9,715	9,124,778	133,887,276	161,203,310	27,316,034
	1914	236	7,819	4,052,123	51,450,498	59,964,523	8,514,025
Boot and shoe findings, exclusive of those produced in boot and shoe factories.	1921	344	5,917	6,608,798	22,930,700	39,116,538	16,185,838
	1919	427	8,941	8,187,196	40,428,347	62,825,408	22,397,061
	1914	369	6,714	3,225,683	20,304,183	28,303,186	7,999,003
Boots and shoes, not including rubber boots and shoes.	1921	1,505	183,502	204,954,095	478,432,445	867,475,896	389,043,451
	1919	1,449	211,049	210,734,610	715,269,315	1,155,041,436	439,772,121
	1914	1,355	191,555	105,695,404	310,356,586	501,760,458	191,403,872
Boots and shoes, rubber	1921	24	23,888	23,428,115	32,132,942	94,032,524	61,899,582
	1919	25	32,875	30,882,722	50,346,880	116,917,434	66,570,554
	1914	23	18,687	9,986,454	23,956,036	53,822,123	29,866,087
Boxes, cigar	1921	171	4,657	3,728,362	6,778,439	14,316,954	7,538,515
	1919	189	5,218	3,512,236	6,336,540	13,110,213	6,773,673
	1914	238	5,835	2,298,842	4,269,486	8,336,907	4,067,421
Boxes, paper and other, not elsewhere specified.	1921	1,191	46,242	40,476,681	88,267,758	174,248,477	85,980,719
	1919	1,201	55,862	43,325,554	101,135,292	206,419,343	105,284,051
	1914	1,043	45,311	18,704,790	36,268,370	74,711,047	38,442,677
Boxes, wooden packing, except cigar boxes.	1921	878	32,595	28,307,330	73,269,702	122,587,582	49,317,880
	1919	1,140	42,445	36,811,185	102,946,235	177,818,454	74,872,219
	1914	1,174	38,548	18,206,067	52,839,647	86,566,807	33,727,160
Brass, bronze, copper, and allied products.	1921	911	39,830	46,260,303	130,627,160	214,903,735	84,276,575
	1919	1,092	75,051	94,132,118	304,823,580	482,312,790	177,489,210
	1914	992	40,306	25,084,231	115,486,768	162,199,019	46,712,251
Bread and other bakery products.	1921	20,173	148,500	196,938,825	598,614,000	1,089,971,652	491,357,652
	1919	25,095	141,592	158,237,059	713,239,411	1,151,896,318	438,656,907
	1914	25,963	124,052	76,866,613	274,257,468	491,893,025	217,635,557
Brick and tile, terra-cotta, and fire-clay products.	1921	1,881	68,759	73,725,985	68,275,905	194,329,421	126,053,516
	1919	2,414	76,915	78,256,085	67,488,113	208,422,920	140,934,807
	1914	3,239	100,182	54,907,418	42,723,178	135,921,445	93,198,267

No. 158.—SUMMARY OF MANUFACTURES: BETWEEN CENSUS GROUPS OF YEARS. BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1921, 1919, AND 1914—Continued.

Industry.	Census year.	Number of establishments.	Wage earners (average number).	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
				Dollars.	*Dollars.*	*Dollars.*	*Dollars.*
Brooms	1921	459	4,302	3,871,895	10,417,147	18,188,376	7,771,229
	1919	1,034	6,313	5,708,885	17,365,109	30,205,267	12,840,158
	1914	868	5,642	2,624,106	7,883,613	14,084,959	6,201,346
Brushes	1921	277	6,460	6,415,340	18,664,652	35,544,514	16,879,862
	1919	379	7,968	7,113,201	19,598,133	39,005,607	19,407,474
	1914	359	7,213	3,461,271	9,326,655	17,894,476	8,567,821
Butter	1921	3,444	18,506	22,928,884	407,501,391	479,723,555	72,222,164
	1919	3,738	17,641	18,852,729	514,345,739	583,163,011	68,817,272
	1914	4,356	14,149	10,119,478	212,546,847	243,379,371	30,832,524
Butter, reworking[3]	1919	5	47	56,432	2,005,769	2,229,035	223,266
	1914	17	304	199,515	5,058,953	5,869,309	810,356
Buttons	1921	346	9,686	8,511,449	10,405,511	26,533,891	16,128,380
	1919	557	15,577	13,772,599	16,745,357	41,840,459	25,095,102
	1914	517	14,511	6,424,399	8,702,200	20,711,979	12,009,779
Candles	1921	20	609	589,737	2,090,807	3,776,911	1,686,104
	1919	19	541	437,581	2,178,528	3,350,806	1,172,278
	1914	15	387	183,007	1,118,575	1,730,723	612,148
Canning and preserving, fish.	1921	273	6,916	4,955,782	20,815,997	33,956,874	13,140,877
	1919	410	11,248	9,036,089	52,410,951	77,284,412	24,873,461
	1914	330	9,069	3,678,999	19,467,153	31,111,409	11,644,256
Canning and preserving, fruits and vegetables.	1921	1,357	38,668	24,804,773	166,582,088	248,105,595	81,523,507
	1919	3,082	60,865	43,592,537	265,628,525	402,242,972	136,614,447
	1914	3,153	50,325	17,305,503	103,293,044	149,175,865	45,882,821
Canning and preserving, oysters.	1921	47	1,930	358,921	1,206,436	2,157,533	951,097
	1919	65	1,189	468,930	1,582,838	2,976,011	1,393,173
	1914	65	2,087	423,697	1,225,206	2,238,053	1,012,847
Card cutting and designing.	1921	49	762	803,406	2,018,892	4,557,834	2,538,942
	1919	75	1,148	958,877	2,298,389	5,323,349	3,024,960
	1914	58	517	264,895	420,736	1,054,904	634,168
Cardboard, not made in paper mills.	1921	20	1,157	1,172,139	3,914,393	7,641,962	3,727,569
	1919	16	1,425	1,337,177	4,953,915	9,138,415	4,184,500
	1914	18	1,159	579,942	2,962,334	4,350,347	1,388,013
Carpets and rugs, other than rag.	1921	72	22,922	28,705,036	50,118,134	103,880,500	53,762,366
	1919	75	22,933	24,216,121	67,118,039	123,253,828	56,135,789
	1914	97	31,309	14,715,615	42,280,223	69,128,185	26,847,962
Carpets, rag	1921	149	1,576	1,440,407	1,639,171	4,860,405	3,221,234
	1919	339	2,016	1,559,501	2,037,874	5,597,057	3,559,183
	1914	463	2,130	994,608	721,728	2,786,439	2,064,711
Carriage and wagon materials.	1921	141	2,747	2,555,236	6,134,955	10,787,177	4,652,222
	1919	258	6,509	5,666,771	14,734,673	26,765,316	12,030,643
	1914	456	11,087	6,059,218	13,546,273	24,849,560	11,303,287
Carriages and sleds, children's.	1921	89	5,460	5,577,906	9,517,303	21,716,839	12,199,536
	1919	103	6,686	6,229,038	11,700,158	24,506,596	12,806,438
	1914	92	5,900	3,189,705	5,682,489	11,751,623	6,069,134
Carriages and wagons, including repairs.	1921	826	7,797	9,627,152	16,075,959	31,658,791	15,582,832
	1919	2,286	18,173	19,393,395	48,362,456	91,463,225	43,100,769
	1914	4,601	41,304	26,498,244	52,172,522	106,697,437	54,524,915
Cars and general shop construction and repairs by electric-railroad companies.	1921	560	33,279	47,775,235	33,560,133	87,312,426	53,752,293
	1919	624	31,272	39,073,154	32,025,484	75,210,701	43,185,217
	1914	649	26,384	18,644,845	17,609,574	38,576,565	20,966,991
Cars and general shop construction and repairs by steam-railroad companies.	1921	1,766	385,006	624,189,594	473,010,966	1,180,030,133	707,019,167
	1919	1,744	484,437	687,617,312	515,803,210	1,279,235,393	763,432,183
	1914	1,362	339,518	234,505,098	243,828,607	514,041,225	270,212,618

Included in "All other industries" in 1921.

No. 158.—SUMMARY OF MANUFACTURES: BETWEEN CENSUS GROUPS OF YEARS. BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1921, 1919, AND 1914—Continued.

Industry.	Census year.	Number of establishments.	Wage earners (average number).	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
				Dollars.	*Dollars.*	*Dollars.*	*Dollars.*
Cars, electric-railroad, not including operations of railroad companies.	1921	10	2,912	3,199,145	7,880,405	14,856,068	6,975,663
	1919	7	2,920	4,132,090	12,058,942	18,441,976	6,383,034
	1914	14	3,840	2,467,027	6,349,779	10,494,953	4,145,174
Cars, steam-railroad, not including operations of railroad companies.	1921	108	45,121	67,745,689	204,057,950	325,680,157	121,622,207
	1919	99	52,298	78,284,647	356,084,545	538,222,831	182,138,286
	1914	103	54,288	41,393,579	132,200,159	194,775,669	62,575,510
Cash registers and calculating machines.	1921	49	9,786	13,243,471	9,572,828	53,652,943	44,080,115
	1919	65	16,544	22,537,265	10,889,998	83,539,025	72,649,027
	1914	52	8,956	6,110,271	3,992,076	30,519,587	26,527,511
Cement	1921	125	26,231	34,415,677	102,359,637	203,626,929	101,267,292
	1919	123	25,524	33,194,920	79,509,800	175,264,910	95,755,110
	1914	133	27,916	18,192,282	51,986,798	101,756,444	49,769,646
Charcoal, not including production in the lumber and wood-distillation industries.	1921	21	269	107,470	253,034	419,074	166,040
	1919	41	209	156,072	260,322	589,418	329,096
	1914	47	228	80,513	232,618	402,060	169,442
Cheese	1921	2,789	3,498	4,424,410	69,118,354	81,879,621	12,761,267
	1919	3,530	3,997	4,808,991	129,425,265	143,455,704	14,030,439
	1914	3,082	2,908	2,065,684	46,758,685	51,744,779	4,986,094
Chemicals	1921	692	46,306	58,023,943	190,502,119	390,768,434	200,266,315
	1919	598	55,586	72,848,324	216,301,279	438,658,869	222,357,590
	1914	395	32,311	22,066,212	89,450,694	158,053,602	68,602,908
Chewing gum	1921	50	1,994	2,148,675	19,908,185	38,864,925	18,956,740
	1919	62	3,190	2,679,803	25,202,312	51,240,156	26,037,844
	1914	74	2,048	828,467	7,322,229	17,159,607	9,837,308
China decorating, not including that done in potteries.	1921	34	325	397,835	504,270	1,241,964	737,694
	1919	43	244	244,211	310,785	866,762	555,977
	1914	51	295	159,471	330,190	726,960	396,770
Chocolate and cocoa products.	1921	55	6,652	7,278,377	49,134,379	81,649,432	32,515,053
	1919	48	9,083	9,270,077	101,754,466	139,258,296	37,503,830
	1914	36	4,160	2,035,598	24,483,303	35,712,810	11,229,507
Cleaning and polishing preparations.	1921	279	1,687	1,884,922	10,959,174	23,177,721	12,218,547
	1919	490	1,955	1,898,447	12,923,518	26,703,109	13,779,591
	1914	398	1,239	618,783	3,895,199	9,151,718	5,256,519
Clocks	1921	37	6,535	6,558,047	6,590,966	17,750,060	11,159,094
	1919	46	8,252	7,861,611	7,177,813	23,380,190	16,202,377
	1914	48	6,754	3,653,146	4,007,764	11,031,720	7,023,956
Cloth, sponging and refinishing.	1921	65	1,123	1,769,597	264,300	4,101,084	3,836,784
	1919	67	1,206	1,564,661	178,161	3,690,858	3,512,697
	1914	51	901	658,377	132,653	1,531,317	1,398,664
Clothing, horse	1921	27	705	682,175	2,677,487	3,834,586	1,157,099
	1919	28	766	551,278	3,455,686	6,020,612	2,564,926
	1914	37	1,669	668,305	3,568,769	5,150,482	1,581,713
Clothing, men's	1921	4,539	165,206	201,881,511	447,544,615	934,776,275	487,231,660
	1919	5,258	175,270	197,821,990	605,752,176	1,162,985,633	557,233,457
	1914	4,830	173,747	86,828,011	230,031,690	458,210,985	228,179,295
Clothing, men's, buttonholes.	1921	37	329	347,978	77,406	646,047	568,641
	1919	107	484	514,600	123,266	1,090,049	966,783
	1914	139	672	326,322	90,012	637,728	547,716
Clothing, women's	1921	7,061	144,865	185,082,108	567,810,452	1,022,742,796	454,932,344
	1919	7,711	165,649	195,295,834	680,406,844	1,208,543,128	528,136,284
	1914	5,564	168,907	92,573,642	252,345,040	473,888,354	221,543,314
Coal-tar products[4]	1919	183	15,663	23,402,140	63,996,734	135,482,161	71,485,427

[4] Included in "Chemicals" in 1914 and 1921.

No. 158.—Summary of Manufactures: Between Census Groups of Years. By Specified Industries, Calendar Years 1921, 1919, and 1914—Continued.

Industry.	Census year.	Number of establishments.	Wage earners (average number).	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
				Dollars.	*Dollars.*	*Dollars.*	*Dollars.*
Coffee and spice, roasting and grinding.	1921	712	8,882	9,372,237	166,248,705	226,059,026	59,810,321
	1919	794	10,540	9,201,242	243,899,108	304,791,677	60,892,569
	1914	696	8,549	4,507,692	116,519,603	150,748,756	34,229,153
Coffins, burial cases, and undertakers' goods.	1921	314	9,956	10,585,816	27,016,789	54,795,673	27,778,884
	1919	351	11,890	11,450,957	31,595,287	64,377,133	32,781,846
	1914	287	9,468	5,381,842	13,257,078	26,325,162	13,068,084
Coke, not including gas-house coke.	1921	176	16,070	23,832,946	168,790,864	221,313,363	52,522,499
	1919	278	29,319	42,299,292	224,266,674	316,515,838	92,249,164
	1914	231	21,107	14,288,952	69,138,328	99,375,020	30,136,692
Collars and cuffs, men's.	1921	34	9,285	7,061,018	12,374,054	29,571,374	17,197,320
	1919	39	11,103	7,430,729	19,434,095	47,564,949	28,130,854
	1914	35	10,100	4,494,146	6,565,578	18,530,840	11,965,262
Combs and hairpins, not made from metal or rubber.	1921	38	1,321	1,276,799	2,172,287	4,580,368	2,408,081
	1919	45	2,229	1,809,453	3,168,818	6,566,365	3,397,547
	1914	66	2,773	1,393,369	2,852,823	5,478,196	2,625,373
Condensed milk	1921	382	9,462	10,349,257	132,525,397	176,836,931	44,311,534
	1919	401	13,675	14,277,956	282,595,292	339,506,774	56,911,482
	1914	190	6,002	3,661,919	55,720,103	69,161,000	13,440,897
Confectionery and ice cream.	1921	4,782	81,213	78,446,853	295,241,890	527,259,316	232,017,426
	1919	6,624	95,648	76,159,866	368,809,170	637,209,168	268,399,998
	1914	4,754	61,986	27,488,248	126,464,312	209,668,656	83,204,414
Cooperage	1921	625	9,876	10,108,589	40,586,207	56,633,404	16,047,197
	1919	1,099	13,219	14,082,224	58,520,655	88,236,061	29,715,406
	1914	1,259	17,128	9,160,583	32,943,683	50,017,320	17,073,637
Copper, tin, and sheet-iron work.	1921	3,105	25,172	36,561,785	75,896,102	148,776,164	72,880,062
	1919	4,796	27,640	33,866,823	80,898,528	160,313,945	79,415,417
	1914	4,527	28,714	20,517,568	50,174,216	94,890,599	44,716,383
Cordage and twine	1921	118	14,593	12,923,694	46,480,950	75,355,705	28,874,755
	1919	120	17,622	14,700,061	89,705,282	133,366,476	43,661,194
	1914	105	15,769	6,995,596	43,605,473	59,761,486	16,156,013
Cordials and flavoring sirups.	1921	129	1,408	1,639,798	26,660,144	44,065,693	17,405,549
	1919	149	1,398	1,297,281	30,998,628	46,806,718	15,808,090
	1914	142	929	461,058	7,596,360	15,316,252	7,719,892
Cork, cutting	1921	45	2,774	2,672,289	6,773,301	12,967,768	6,194,467
	1919	62	3,545	3,387,114	9,134,950	16,282,239	7,147,289
	1914	52	3,454	1,582,431	4,751,440	7,875,407	3,123,967
Corn sirup (glucose) and starch.	1921	32	6,131	7,840,098	50,861,124	80,040,795	29,179,671
	1919	56	7,795	11,962,483	130,328,848	186,256,260	55,927,412
	1914	89	4,509	3,549,565	40,207,592	52,615,401	12,407,809
Corsets	1921	173	17,084	13,102,159	38,857,277	75,600,156	36,742,879
	1919	188	18,415	13,082,242	38,815,803	75,541,959	36,726,156
	1914	167	20,496	7,976,721	19,586,533	40,550,702	20,964,169
Cotton goods	1921	1,328	412,058	328,226,744	707,442,097	1,278,220,831	570,778,734
	1919	1,288	430,966	355,474,937	1,277,785,597	2,125,272,193	847,486,596
	1914	1,179	379,366	146,129,628	431,602,540	676,569,115	244,966,575
Cotton lace	1921	37	6,396	6,208,992	11,321,446	25,981,093	14,659,647
	1919	44	6,490	6,086,557	13,075,994	29,396,853	16,320,859
	1914	41	7,440	3,468,081	5,676,948	13,206,785	7,529,837
Cotton small wares	1921	162	7,363	6,313,862	12,821,376	26,061,193	13,239,817
	1919	164	9,396	7,162,218	24,039,951	40,896,835	16,856,884
	1914	108	6,598	2,824,890	6,243,027	11,525,033	5,282,006
Crucibles	1921	17	412	495,973	827,288	1,969,930	1,142,642
	1919	22	848	923,287	2,233,072	5,293,688	3,060,616
	1914	10	302	171,499	1,269,845	1,886,129	616,284
Cutlery and edge tools	1921	210	14,345	14,749,993	14,973,967	49,341,204	34,367,237
	1919	304	19,859	20,048,465	19,477,437	66,629,570	47,152,133
	1914	252	16,561	9,075,896	8,185,699	25,540,987	17,355,288

No. 158.—SUMMARY OF MANUFACTURES: BETWEEN CENSUS GROUPS OF YEARS. BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1921, 1919, AND 1914—Continued.

Industry.	Census year.	Number of establishments.	Wage earners (average number).	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
				Dollars.	*Dollars.*	*Dollars.*	*Dollars.*
Dairymen's, poultrymen's, and apiarists' supplies.	1921	180	3,841	4,414,031	13,084,780	27,644,471	14,559,691
	1919	244	6,437	7,078,433	18,526,743	37,397,448	18,870,705
	1914	236	5,551	3,363,119	9,247,939	18,949,538	9,701,599
Dental goods	1921	264	4,137	4,347,877	13,498,583	25,811,790	12,313,207
	1919	319	5,224	4,463,840	16,420,429	29,401,896	12,981,467
	1914	172	3,080	1,616,195	10,714,692	16,159,839	5,445,147
Drug grinding	1921	28	840	1,005,155	6,804,453	10,085,691	3,281,238
	1919	31	1,347	1,526,137	11,556,480	16,937,698	5,381,218
	1914	29	1,059	583,361	5,215,287	8,080,118	2,864,831
Druggists' preparations.	1921	408	10,838	11,936,658	34,573,664	81,697,922	47,124,258
	1919	524	15,568	12,161,925	55,138,475	114,593,486	59,455,011
	1914	416	9,277	4,754,508	22,934,723	48,009,654	25,074,931
Dyeing and finishing textiles, exclusive of that done in textile mills.	1921	599	51,510	58,138,729	141,198,956	276,750,670	135,551,714
	1919	628	55,985	57,189,978	174,742,815	323,967,683	149,224,868
	1914	507	48,467	24,872,318	56,705,135	109,291,536	52,586,401
Dyestuffs and extracts	1921	123	2,993	3,007,547	20,105,517	28,310,708	8,205,191
	1919	144	4,342	4,734,614	34,592,698	53,744,283	19,151,585
	1914	112	2,839	1,613,116	13,237,995	20,620,336	7,382,341
Electrical machinery, apparatus, and supplies.	1921	1,333	161,204	194,242,357	344,069,963	833,985,443	489,915,480
	1919	1,404	212,374	238,188,852	425,098,211	997,968,119	572,869,908
	1914	1,030	118,078	73,806,329	154,728,076	335,170,194	180,442,118
Electroplating	1921	392	2,460	3,562,980	1,959,639	8,040,954	6,081,315
	1919	515	3,024	3,793,605	2,639,248	10,389,617	7,750,369
	1914	479	2,584	1,712,922	1,335,662	4,773,309	3,437,647
Emery and other abrasive wheels.	1921	53	2,849	2,876,413	6,183,515	12,558,834	6,375,319
	1919	60	5,601	5,878,748	12,228,187	30,949,270	18,721,083
	1914	49	2,387	1,490,898	3,006,472	7,129,741	4,123,269
Enameling	1921	43	456	800,760	920,984	2,022,927	1,101,943
	1919	74	694	790,308	949,556	2,644,763	1,695,207
	1914	77	1,314	649,388	969,514	2,165,582	1,196,068
Engines, steam, gas, and water.	1921	296	35,567	52,004,861	111,698,365	199,498,575	87,800,210
	1919	370	77,617	105,435,455	217,550,771	464,774,735	247,223,964
	1914	446	29,657	21,420,737	31,460,227	72,121,112	40,660,885
Engravers' materials	1921	22	184	302,206	1,046,403	1,816,873	770,470
	1919	21	174	212,171	1,484,269	2,248,122	763,853
	1914	13	106	73,391	550,659	768,258	217,599
Engraving and diesinking.	1921	193	1,276	1,760,335	1,397,020	4,849,882	3,452,862
	1919	478	1,878	2,391,504	1,927,323	7,350,602	5,423,279
	1914	486	1,536	1,075,721	596,107	3,133,791	2,537,684
Engraving, steel and copper plate, including plate printing.	1921	367	7,156	9,612,206	7,608,520	28,778,665	21,170,145
	1919	421	7,014	7,908,109	6,980,747	24,209,154	17,228,407
	1914	399	6,859	4,526,684	3,914,508	13,786,385	9,871,877
Engraving, wood	1921	24	131	219,033	138,991	628,368	489,377
	1919	55	235	407,215	219,268	1,153,618	934,350
	1914	72	302	310,318	96,384	719,234	622,850
Envelopes	1921	123	7,944	8,180,523	24,051,507	43,910,409	19,858,902
	1919	106	8,129	6,649,989	21,964,743	39,664,077	17,699,334
	1914	90	6,970	3,378,184	10,234,841	18,481,013	8,246,172
Explosives	1921	109	4,478	6,610,206	30,644,327	59,174,598	28,530,271
	1919	118	9,249	12,504,986	45,911,049	92,474,813	46,563,764
	1914	111	6,306	4,488,288	25,626,539	41,432,970	15,806,431
Fancy articles, not elsewhere specified.	1921	509	11,534	11,088,390	24,384,091	51,406,493	27,022,402
	1919	661	13,961	12,207,913	32,591,073	64,054,481	31,463,498
	1914	493	7,399	3,566,900	8,428,916	17,658,770	9,229,854

No. 158.—Summary of Manufactures: Between Census Groups of Years. By Specified Industries, Calendar Years 1921, 1919, and 1914—Continued.

Industry.	Census year.	Number of establishments.	Wage earners (average number).	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
				Dollars.	*Dollars.*	*Dollars.*	*Dollars.*
Feathers and plumes	1921	135	2,064	2,145,013	4,298,325	8,886,540	4,588,215
	1919	216	3,504	3,405,765	6,694,596	15,377,953	8,683,357
	1914	239	4,483	1,988,004	6,102,515	11,450,521	5,348,006
Felt goods	1921	49	4,180	4,625,883	11,232,119	24,129,390	12,897,271
	1919	49	5,236	4,873,490	22,780,775	39,229,540	16,448,765
	1914	53	4,035	2,089,243	8,308,270	13,692,765	5,384,495
Ferro-alloys [5]	1919	30	2,344	3,571,487	28,098,576	38,583,984	10,485,408
Fertilizers	1921	588	16,898	16,025,728	144,978,255	180,374,789	35,396,534
	1919	600	26,296	25,363,132	185,040,522	281,143,587	96,103,065
	1914	784	22,815	10,532,005	107,954,644	153,196,152	45,241,508
Files	1921	39	3,595	3,174,612	2,309,087	7,647,252	5,338,165
	1919	50	5,767	6,192,444	4,227,880	17,616,563	13,388,683
	1914	48	4,349	2,135,436	1,595,225	5,608,157	4,012,932
Firearms	1921	20	4,726	5,730,487	2,696,085	12,883,842	10,187,757
	1919	26	11,287	13,333,495	7,613,784	30,181,370	22,567,586
	1914	29	7,064	5,067,053	2,669,618	10,543,753	7,874,135
Fire extinguishers, chemical.	1921	31	580	625,958	2,081,052	4,254,261	2,173,209
	1919	32	777	751,119	2,693,416	5,563,180	2,869,764
	1914	27	256	200,096	573,975	1,297,723	723,748
Fireworks	1921	37	1,229	1,116,075	1,917,104	4,726,870	2,809,766
	1919	57	1,222	994,851	2,108,156	4,629,984	2,521,828
	1914	41	1,324	616,279	1,206,006	2,296,236	1,090,230
Flags and banners	1921	57	991	776,931	1,850,333	3,636,990	1,786,657
	1919	79	1,065	795,242	3,286,165	5,346,089	2,059,924
	1914	87	1,495	689,975	1,750,094	3,601,310	1,851,216
Flavoring extracts	1921	334	2,054	2,418,720	18,688,935	33,059,909	14,370,974
	1919	453	2,188	1,665,285	19,418,176	30,116,932	10,698,756
	1914	424	1,461	688,790	6,308,403	11,380,423	5,072,020
Flax and hemp, dressed.	1921	6	112	71,747	201,064	267,636	66,572
	1919	20	420	447,373	1,708,670	2,369,114	660,444
	1914	16	116	45,271	185,247	282,648	97,401
Flour-mill and gristmill products.	1921	6,485	35,378	43,142,734	993,809,720	1,179,740,131	185,930,411
	1919	10,708	45,481	50,888,383	1,799,180,987	2,052,434,385	253,253,398
	1914	10,788	39,718	24,593,162	752,270,021	877,679,709	125,409,688
Food preparations, not elsewhere specified.	1921	1,387	22,868	24,174,924	260,620,820	372,898,393	112,277,573
	1919	1,997	30,365	29,392,209	494,597,157	631,598,150	137,000,993
	1914	1,559	20,306	10,866,380	153,750,573	219,332,659	65,528,086
Foundry and machine shop products.	1921	9,013	321,363	412,359,408	653,363,807	1,565,526,944	912,163,137
	1919	10,934	482,767	622,571,129	948,069,381	2,289,250,859	1,341,181,478
	1914	10,640	362,471	244,146,380	358,121,781	866,544,677	508,422,896
Foundry supplies	1921	50	567	676,241	2,775,014	4,965,678	2,190,664
	1919	76	906	1,032,029	5,667,236	9,954,676	4,287,440
	1914	57	555	300,775	997,315	2,012,896	1,015,581
Fuel, manufactured	1921	14	371	484,423	2,280,374	3,177,742	897,368
	1919	11	171	221,545	1,386,394	1,973,877	587,483
	1914	14	141	111,774	609,068	862,904	253,836
Fur goods	1921	1,707	12,052	22,421,193	84,536,855	139,365,929	54,829,074
	1919	1,815	13,639	24,149,212	105,596,605	173,137,739	67,541,134
	1914	1,322	9,030	6,334,661	23,847,402	43,632,693	19,785,291
Furnishing goods, men's	1921	421	15,921	12,469,819	47,193,111	77,526,542	30,333,431
	1919	487	18,944	13,562,866	64,743,912	107,834,695	43,090,783
	1914	551	22,459	8,415,480	31,593,442	52,453,338	20,859,896
Furniture	1921	2,935	122,253	141,239,832	249,300,778	539,687,194	290,386,416
	1919	3,154	138,331	141,116,316	261,523,395	571,356,333	309,832,938
	1914	3,192	127,881	71,815,916	121,486,496	265,705,763	144,219,267

[5] Included in "Other classifications" in 1914 and 1921.

No. 158.—SUMMARY OF MANUFACTURES: BETWEEN CENSUS GROUPS OF YEARS. BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1921, 1919, AND 1914—Continued.

Industry.	Census year.	Number of establishments.	Wage earners (average number).	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
				Dollars.	*Dollars.*	*Dollars.*	*Dollars.*
Furs, dressed	1921	126	4,429	6,758,712	6,070,474	19,157,339	13,086,865
	1919	141	5,075	7,098,286	6,338,835	20,384,569	14,045,734
	1914	96	1,525	922,966	906,036	2,875,036	1,969,000
Galvanizing	1921	51	685	843,620	2,161,406	4,017,820	1,856,414
	1919	52	1,665	2,247,953	10,532,288	14,475,682	3,943,394
	1914	48	1,580	922,264	6,292,804	8,480,109	2,187,305
Gas and electric fixtures.	1921	308	9,419	11,060,076	18,787,740	42,889,905	24,102,165
	1919	341	9,795	9,802,380	20,258,538	42,267,953	22,009,415
	1914	460	10,913	6,504,150	14,089,527	28,739,937	14,650,410
Gas, illuminating and heating.	1921	954	34,956	53,306,407	202,253,479	411,195,503	208,942,024
	1919	1,022	42,908	52,758,628	157,550,882	329,278,908	171,728,026
	1914	1,284	43,792	26,801,664	76,779,288	220,237,790	143,458,502
Gas machines, and gas and water meters.	1921	65	4,280	5,211,931	9,000,272	21,956,424	12,956,152
	1919	105	5,589	5,995,877	10,647,402	26,267,074	15,619,672
	1914	123	4,972	3,309,631	6,118,471	15,183,916	9,065,445
Glass	1921	329	54,748	68,224,248	86,036,406	213,471,309	127,434,903
	1919	371	77,520	87,526,625	90,780,124	261,884,080	171,103,956
	1914	348	74,502	48,655,819	46,016,504	123,085,019	77,068,515
Glass, cutting, staining, and ornamenting.	1921	462	4,682	5,574,401	10,807,878	22,209,476	11,401,598
	1919	616	6,480	6,154,831	14,357,878	28,443,321	14,085,443
	1914	635	8,067	4,670,370	7,142,609	16,445,839	9,303,230
Gloves and mittens, cloth, not including gloves made in textile mills.[6]	1921	128	5,758	3,294,079	10,191,476	15,212,899	5,021,423
	1919	182	8,986	4,855,246	16,092,462	28,220,113	12,127,651
Gloves and mittens, leather.	1921	272	7,907	5,842,784	13,844,159	24,855,321	11,011,162
	1919	355	10,685	8,150,784	26,286,129	46,940,511	20,654,382
	1914	352	10,668	4,558,360	12,170,694	21,614,109	9,443,415
Glue, not elsewhere specified.	1921	47	2,915	3,573,149	13,401,858	21,342,004	7,940,146
	1919	62	4,264	4,776,724	19,279,905	32,134,067	12,854,162
	1914	57	3,129	1,853,548	9,367,922	13,732,824	4,364,902
Gold and silver, leaf and foil.	1921	72	1,104	1,042,028	4,994,718	7,014,496	2,019,778
	1919	87	950	983,600	2,655,335	4,461,568	1,806,233
	1914	79	1,135	498,273	1,452,429	2,432,145	979,716
Gold and silver, reducing and refining, not from the ore.	1921	77	785	1,130,572	41,055,751	45,974,226	4,918,475
	1919	87	644	843,608	49,736,978	55,483,215	5,746,237
	1914	78	456	390,865	25,709,133	28,587,558	2,878,425
Graphite, ground and refined.	1921	11	152	185,468	703,441	1,456,864	753,423
	1919	24	497	434,317	1,092,684	2,239,587	1,146,903
	1914	11	250	181,125	723,190	1,724,330	1,001,140
Grease and tallow, not including lubricating greases.	1921	265	4,428	5,428,939	17,786,592	27,206,011	9,419,419
	1919	482	6,647	7,954,378	47,756,341	67,265,206	19,508,865
	1914	369	5,106	3,512,085	17,060,872	24,900,519	7,839,647
Grindstones	1921	17	503	514,476	458,453	1,498,897	1,040,444
	1919	23	674	598,631	243,853	1,369,423	1,125,570
	1914	14	686	322,812	115,588	683,936	568,348
Haircloth	1921	17	301	329,110	1,546,061	2,618,319	1,072,258
	1919	18	425	425,149	2,259,142	3,315,113	1,055,971
	1914	19	595	290,280	1,654,006	2,395,486	741,480
Hair work	1921	128	1,222	1,256,198	6,734,188	10,951,844	4,217,656
	1919	198	1,084	1,064,630	3,829,197	6,963,033	3,133,836
	1914	205	1,193	580,815	1,528,942	3,334,946	1,806,004
Hammocks	1921	5	51	38,386	161,552	249,466	87,914
	1919	6	64	40,241	169,492	255,755	86,263
	1914	14	285	119,472	361,327	671,476	310,149

[6] Included in "Furnishing goods, men's," in 1914.

No. 158.—SUMMARY OF MANUFACTURES: BETWEEN CENSUS GROUPS OF YEARS. BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1921, 1919, AND 1914—Continued.

Industry.	Census year.	Number of establishments.	Wage earners (average number).	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
				Dollars.	*Dollars.*	*Dollars.*	*Dollars.*
Hand stamps	1921	194	1,836	2,356,054	2,344,383	7,873,642	5,529,259
	1919	298	1,719	1,832,581	2,634,426	7,738,773	5,104,347
	1914	277	1,321	847,727	1,093,147	3,382,793	2,289,646
Hardware	1921	430	33,803	34,848,965	39,744,969	116,688,661	76,943,692
	1919	548	42,505	45,229,950	58,533,769	154,524,888	95,991,119
	1914	539	41,213	22,583,132	29,070,638	73,319,697	44,249,059
Hardware saddlery	1921	26	1,425	1,391,228	1,775,081	3,911,067	2,135,986
	1919	37	3,675	4,043,799	4,281,589	14,136,556	9,854,967
	1914	58	2,511	1,248,441	1,789,944	4,039,971	2,250,027
Hat and cap material	1921	103	1,722	1,737,221	6,713,371	11,545,326	4,831,955
	1919	133	3,009	3,132,571	16,643,919	26,521,212	9,877,293
	1914	98	1,775	804,246	5,051,857	6,929,342	1,877,485
Hats and caps, other than felt, straw, and wool.	1921	584	6,505	8,701,150	18,536,982	36,987,008	18,450,026
	1919	709	7,539	9,438,864	24,176,514	44,539,861	20,363,347
	1914	580	7,322	4,507,521	9,267,577	18,593,221	9,325,644
Hats, fur-felt	1921	154	13,880	15,881,848	26,252,448	52,614,167	26,361,719
	1919	176	18,510	19,642,531	40,158,019	82,745,308	42,587,289
	1914	224	21,318	12,070,812	16,947,058	37,349,744	20,402,686
Hats, straw	1921	110	5,924	6,415,205	14,559,485	28,616,604	14,057,119
	1919	148	7,302	6,604,933	16,910,408	32,187,361	15,276,953
	1914	149	9,483	5,253,028	14,085,786	25,443,501	11,357,715
Hats, wool felt	1921	26	1,428	1,347,685	2,453,607	4,964,324	2,510,717
	1919	40	1,448	1,387,777	3,699,822	6,739,652	3,039,830
	1914	30	1,249	599,578	978,339	1,944,484	966,145
Hones and whetstones	1921	7	95	92,722	97,260	300,475	203,215
	1919	11	212	203,001	320,451	793,778	473,327
	1914	16	170	63,902	87,431	259,944	172,513
Horseshoes, not made in steel works or rolling mills.	1921	12	207	314,352	954,778	1,931,812	977,034
	1919	20	744	830,249	1,536,619	3,367,001	1,830,382
	1914	22	588	362,435	689,574	1,785,993	1,096,419
House-furnishing goods, not elsewhere specified.	1921	419	7,504	6,955,472	35,106,227	54,550,787	19,444,560
	1919	467	7,853	6,443,915	39,793,962	60,211,804	20,417,842
	1914	370	6,935	3,306,515	17,390,886	26,452,937	9,062,051
Ice, manufactured	1921	2,715	24,066	32,630,180	51,174,441	158,889,173	107,714,732
	1919	2,867	30,247	34,001,837	42,877,500	137,004,798	94,127,289
	1914	2,543	23,011	14,840,591	17,755,004	60,386,267	42,631,263
Ink, printing	1921	97	1,676	2,470,097	10,644,453	20,869,477	10,225,024
	1919	90	1,988	2,574,920	14,661,115	26,244,470	11,583,355
	1914	70	1,391	1,063,959	6,805,874	13,830,312	7,024,438
Ink, writing	1921	33	504	546,058	2,062,291	4,980,148	2,917,857
	1919	61	702	596,168	3,320,346	6,433,941	3,113,595
	1914	54	512	262,786	1,236,227	2,783,642	1,547,415
Instruments, professional and scientific.	1921	266	9,384	11,699,950	13,326,311	42,131,845	28,805,534
	1919	351	15,931	17,499,888	19,494,634	58,136,691	38,642,057
	1914	307	7,107	4,652,105	5,581,722	17,494,729	11,913,007
Iron and steel, blast furnaces.	1921	134	18,698	29,396,685	361,049,516	419,771,244	58,721,728
	1919	195	41,660	73,769,395	621,286,496	794,466,558	173,180,062
	1914	160	29,356	22,780,626	264,580,060	317,653,983	53,073,923
Iron and steel, steel works and rolling mills	1921	494	235,515	324,987,239	1,005,125,454	1,481,659,352	476,533,898
	1919	500	375,088	637,637,430	1,680,575,758	2,828,902,876	1,148,326,618
	1914	427	248,716	188,142,398	590,825,692	918,664,565	327,838,873
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.	1921	125	10,148	10,269,344	18,547,629	35,773,454	17,225,825
	1919	144	17,967	20,973,834	44,277,117	89,743,882	45,466,765
	1914	102	10,658	5,960,824	12,912,649	23,403,405	10,490,756

No. 158.—SUMMARY OF MANUFACTURES: BETWEEN CENSUS GROUPS OF YEARS. BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1921, 1919, AND 1914—Continued.

Industry.	Census year.	Number of establishments.	Wage earners (average number).	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
				Dollars.	*Dollars.*	*Dollars.*	*Dollars.*
Iron and steel, cast-iron pipe.	1921	70	12,496	13,135,992	23,897,020	44,321,548	20,424,528
	1919	59	12,625	14,705,398	25,386,552	50,235,101	24,848,549
	1914	59	12,557	7,075,976	16,930,141	26,659,365	9,729,224
Iron and steel, doors and shutters.	1921	45	1,782	2,880,909	4,289,274	12,466,701	8,177,427
	1919	57	2,077	2,729,774	4,577,934	10,877,001	6,299,067
	1914	43	1,985	1,537,688	1,995,885	5,183,602	3,187,717
Iron and steel forgings, not made in steel works or rolling mills.	1921	240	16,740	20,635,787	44,336,717	83,151,126	38,814,409
	1919	241	28,391	39,772,553	82,024,492	173,752,104	91,727,612
	1914	191	10,689	7,487,448	14,610,897	28,961,457	14,350,560
Iron and steel, nails and spikes, cut and wrought, including nails, not made in steel works or rolling mills.	1921	56	2,412	2,575,961	5,670,025	10,976,307	5,306,282
	1919	65	3,355	3,397,562	8,874,747	17,583,344	8,708,597
	1914	64	2,644	1,507,689	3,594,319	7,198,600	3,604,281
Iron and steel, processed or welded.[7]	1921	320	1,210	1,922,144	1,900,180	6,202,156	4,301,976
	1919	520	1,835	2,742,928	3,575,881	10,995,672	7,419,791
Iron and steel, wrought pipe.	1921	57	8,728	11,234,413	37,093,041	56,662,278	19,569,237
	1919	50	10,426	14,919,676	51,155,653	81,869,115	30,713,462
	1914	36	8,845	5,750,360	26,295,788	37,655,229	11,359,441
Ivory, shell, and bone work, not including combs and hairpins.	1921	39	674	689,818	1,143,711	2,395,375	1,251,664
	1919	44	842	734,932	1,293,876	2,816,530	1,522,654
	1914	54	795	391,338	958,051	1,895,812	937,761
Japaning	1921	21	159	216,835	138,870	497,222	358,352
	1919	36	295	260,640	221,901	771,143	549,242
	1914	35	228	149,444	94,584	381,324	286,740
Jewelry	1921	1,671	23,482	29,938,313	58,059,348	127,230,777	69,171,429
	1919	2,054	30,871	35,863,718	110,450,683	203,939,230	93,488,547
	1914	1,914	28,289	18,301,565	39,116,136	81,006,289	41,890,153
Jewelry and instrument cases.	1921	107	2,241	2,087,591	2,712,684	7,035,778	4,323,094
	1919	142	2,734	2,147,648	3,505,840	8,126,300	4,620,460
	1914	125	2,393	1,093,672	1,449,848	3,620,838	2,170,990
Jute goods	1921	24	5,664	4,639,347	8,943,459	17,506,140	8,562,681
	1919	26	7,138	6,436,286	17,708,834	34,442,698	16,733,864
	1914	34	7,987	3,060,010	12,579,840	16,513,874	3,934,034
Knit goods	1921	2,078	161,880	132,190,349	360,457,833	634,073,895	273,616,062
	1919	2,050	172,572	125,199,820	427,095,560	713,139,689	286,044,129
	1914	1,622	150,520	59,758,151	146,687,458	258,912,903	112,225,445
Labels and tags	1921	89	4,152	4,776,868	8,819,700	19,538,302	10,718,602
	1919	119	5,227	4,549,902	11,274,767	24,243,992	12,969,225
	1914	108	2,600	1,458,777	2,907,876	6,584,058	3,676,182
Lamps and reflectors	1921	157	6,447	7,463,114	14,013,866	29,164,493	15,150,627
	1919	171	8,360	9,292,497	18,429,033	38,098,917	19,669,884
	1914	151	7,134	4,172,884	8,012,371	16,638,287	8,625,916
Lapidary work	1921	64	399	737,922	2,840,309	4,345,214	1,504,905
	1919	124	1,155	2,837,811	19,363,004	30,051,460	10,688,456
	1914	89	584	641,444	3,940,761	5,360,064	1,419,303
Lard, not made in slaughtering and meat-packing establishments.[8]	1919	6	13	12,154	175,317	219,660	44,343
	1914	6	19	12,268	101,624	146,873	45,249
Lasts	1921	67	2,618	3,292,152	4,335,965	12,377,360	8,041,395
	1919	64	2,910	3,415,950	3,932,662	12,470,539	8,537,877
	1914	66	2,094	1,511,299	1,342,720	4,589,215	3,246,495
Lead, bar, pipe, and sheet.	1921	29	882	1,108,852	8,013,973	10,473,575	2,459,602
	1919	32	852	1,066,941	13,634,120	17,174,281	3,540,161
	1914	27	585	406,614	6,048,426	7,430,957	1,382,531

[7] Included in "Foundry and machine shop products" prior to 1919.
[8] Included in "Sausage not made in slaughtering and meat-packing establishments" in 1921.

No. 158.—SUMMARY OF MANUFACTURES: BETWEEN CENSUS GROUPS OF YEARS. BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1921, 1919, AND 1914—Continued.

Industry.	Census year.	Number of establishments.	Wage earners (average number).	Wages.	Cost of materials.	Value of products.	Value added by manufacture
				Dollars.	*Dollars.*	*Dollars.*	*Dollars.*
Leather goods, not elsewhere specified.	1921	482	8,557	10,329,353	26,698,049	47,715,082	24,017,033
	1919	503	8,945	9,415,403	30,035,537	52,952,772	22,917,235
	1914	378	7,071	3,603,865	10,632,124	19,333,934	8,701,810
Leather, tanned, curried, and finished.	1921	608	48,955	57,740,510	277,724,919	383,365,048	105,640,129
	1919	680	72,476	88,205,473	646,521,527	928,591,701	282,070,174
	1914	741	55,936	31,914,497	284,245,420	367,201,705	82,956,285
Lime	1921	292	10,345	9,801,651	14,214,205	31,015,487	16,801,282
	1919	476	11,405	10,869,196	14,296,025	33,970,463	19,673,538
	1914	627	12,429	6,039,608	7,557,670	18,390,805	10,833,135
Linen goods	1921	15	2,519	2,123,021	4,463,866	8,209,596	3,745,730
	1919	10	1,890	1,635,642	4,190,187	6,998,046	2,807,859
	1914	21	3,567	1,386,117	4,289,104	6,959,708	2,670,604
Liquors, distilled	1921	33	1,141	1,626,949	22,269,046	28,788,965	6,519,919
	1919	34	1,380	1,716,699	19,655,522	31,854,085	12,198,563
	1914	434	6,295	3,994,469	40,996,781	206,778,708	165,781,927
Liquors, malt	1921	531	18,551	29,365,944	55,016,366	122,050,354	67,033,988
	1919	729	34,259	45,170,432	94,792,659	379,905,085	285,112,426
	1914	1,250	62,070	53,243,743	129,724,396	442,148,597	312,424,201
Liquors, vinous	1921	72	415	417,005	1,692,750	4,757,334	3,064,584
	1919	342	1,011	1,013,898	8,115,841	17,454,194	9,338,353
	1914	318	2,292	1,194,433	9,489,428	16,618,378	7,128,950
Lithographing	1921	296	13,971	21,085,435	30,522,209	79,472,260	48,950,051
	1919	331	15,618	18,201,089	27,718,217	73,151,115	45,432,898
	1914	336	15,171	11,861,018	14,017,181	39,135,973	25,118,792
Locomotives, not made by railroad companies.	1921	22	16,583	20,472,715	55,411,656	102,023,358	46,611,702
	1919	17	26,715	38,798,641	72,375,950	156,269,730	83,893,780
	1914	19	17,391	11,085,375	23,546,118	43,374,141	19,828,023
Looking-glass and picture frames.	1921	259	3,846	4,879,454	5,643,719	15,448,208	9,804,489
	1919	429	4,708	4,775,227	7,227,232	18,384,562	11,157,330
	1914	438	4,787	2,850,258	4,468,492	11,014,207	6,545,715
Lubricating greases	1921	50	420	534,291	5,309,461	8,912,413	3,602,952
	1919	53	472	569,925	4,807,501	8,868,772	4,061,271
	1914	77	476	281,844	2,767,165	4,919,078	2,151,913
Lumber and timber products.[9]	1921	9,092	364,247	313,486,957	377,927,443	902,501,306	524,573,863
	1919	26,119	480,945	489,419,091	470,960,488	1,387,471,413	916,510,925
	1914	27,249	480,207	240,171,732	282,285,405	715,941,590	433,656,185
Lumber, planing-mill products, not including planing mills connected with sawmills.	1921	4,366	78,033	95,954,153	272,081,818	462,648,874	190,567,056
	1919	5,309	86,956	91,976,526	299,265,652	500,438,258	201,172,606
	1914	5,841	96,214	61,949,230	184,227,441	307,672,478	123,445,037
Machine tools[10]	1921	348	21,307	25,251,735	23,978,248	67,729,362	43,751,114
	1919	403	53,111	66,178,969	59,034,308	212,400,158	153,365,850
Malt	1921	26	616	923,834	17,458,265	21,004,649	3,546,384
	1919	55	1,352	1,845,210	31,612,707	39,340,414	7,727,707
	1914	97	1,989	1,827,520	39,198,931	48,132,833	8,933,902
Marble and stone work	1921	2,925	30,260	44,135,464	53,067,050	137,241,121	84,174,071
	1919	4,240	32,768	38,354,822	49,524,341	129,164,653	79,640,312
	1914	4,901	54,891	37,960,517	37,802,335	107,054,593	69,252,258
Matches	1921	22	4,539	4,280,438	13,239,571	30,273,873	17,034,302
	1919	21	3,726	3,059,537	6,852,970	18,495,876	11,642,906
	1914	20	3,800	1,757,975	5,201,598	12,556,279	7,354,681
Mats and matting from cocoa fiber, grass, and coir.	1921	13	628	570,134	1,020,348	2,321,710	1,301,362
	1919	12	1,073	810,607	2,102,580	4,860,855	2,758,275
	1914	12	869	455,247	1,170,214	2,235,867	1,065,653

[9] Includes "Pulpwood" in 1914, not shown as a separate classification in 1919 or 1921.
[10] Included in "Foundry and machine shop products."

No. 158.—Summary of Manufactures: Between Census Groups of Years. By Specified Industries, Calendar Years 1921, 1919, and 1914—Continued.

Industry.	Census year.	Number of establishments.	Wage earners (average number).	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
				Dollars.	*Dollars.*	*Dollars.*	*Dollars.*
Mattresses and spring beds, not elsewhere specified.	1921	889	11,748	13,546,457	42,056,162	74,623,976	32,567,814
	1919	1,041	12,637	12,805,351	49,208,560	83,952,609	34,744,049
	1914	1,000	11,747	6,723,372	22,399,153	38,716,764	16,317,611
Millinery and lace goods, not elsewhere specified.	1921	2,777	53,701	60,401,335	131,207,199	268,713,808	137,506,609
	1919	3,005	50,850	49,848,984	132,928,877	255,724,922	122,796,045
	1914	2,079	45,274	21,545,137	57,675,921	114,160,462	56,484,541
Millstones [11]	1919	12	38	43,732	25,509	66,896	41,387
Mineral and soda waters.	1921	3,336	14,651	16,286,025	61,085,671	115,577,437	54,491,766
	1919	5,194	17,440	16,393,477	68,599,585	135,341,437	66,741,852
	1914	5,463	15,506	8,863,654	26,779,476	58,401,462	31,621,986
Minerals and earths, ground or otherwise treated.	1921	272	6,887	7,297,664	11,521,866	26,173,722	14,651,856
	1919	419	14,426	16,309,518	16,270,251	46,067,239	29,796,988
	1914	244	4,707	2,485,254	4,561,428	10,307,114	5,745,686
Mirrors, framed and unframed, not elsewhere specified.	1921	180	2,368	3,232,984	10,082,161	16,739,545	6,657,384
	1919	186	2,599	2,819,140	12,498,733	20,830,775	8,332,042
	1914	182	3,184	1,967,811	6,013,970	10,189,431	4,175,461
Models and patterns, not including paper patterns.	1921	656	3,936	6,026,634	4,042,100	15,742,112	11,700,012
	1919	928	6,949	10,318,104	6,395,834	25,300,389	18,904,555
	1914	762	4,274	3,103,061	2,045,327	8,604,695	6,559,368
Motion pictures [12]	1921	127	6,259	14,740,009	31,190,160	77,397,381	46,207,221
Motor cycles, bicycles, and parts.	1921	46	4,308	4,981,295	10,322,811	23,097,749	12,774,938
	1919	51	10,886	12,763,235	25,985,915	53,105,895	27,119,980
	1914	78	6,680	4,738,750	10,927,654	22,234,262	11,306,608
Motor vehicle bodies and parts.	1921	1,974	69,119	96,779,079	213,964,817	408,016,532	194,051,715
	1919	2,515	132,556	178,955,503	362,027,302	692,170,692	330,143,390
	1914	971	47,785	34,992,515	63,610,365	129,601,337	65,990,972
Motor vehicles	1921	385	143,658	221,973,586	1,107,062,085	1,671,386,976	564,324,891
	1919	315	210,559	312,165,870	1,578,651,574	2,387,903,287	809,251,713
	1914	300	79,307	66,934,359	292,597,565	503,230,137	210,632,572
Mucilage, paste, and other adhesives.	1921	98	757	969,572	5,015,425	9,929,842	4,914,417
	1919	127	803	850,382	7,092,728	11,230,253	4,137,525
	1914	127	700	398,814	3,338,082	5,694,559	2,356,477
Musical instruments and materials, not elsewhere specified.	1921	116	3,424	4,520,029	3,325,345	12,353,778	9,028,433
	1919	240	4,113	3,984,656	4,444,729	12,506,334	8,061,605
	1914	241	1,831	1,160,512	1,022,584	3,624,667	2,602,083
Musical instruments, organs.	1921	56	2,346	3,342,795	3,730,917	10,184,854	6,453,937
	1919	68	1,941	1,978,518	2,217,097	5,973,268	3,756,171
	1914	85	3,063	1,993,415	2,659,980	6,297,348	3,637,368
Musical instruments, pianos.	1921	185	15,836	18,887,126	38,651,996	73,639,912	34,987,916
	1919	191	22,957	25,474,200	54,364,656	107,088,050	52,723,394
	1914	255	23,877	15,704,679	29,091,045	62,775,035	33,683,990
Musical instruments, piano and organ materials.	1921	89	5,569	5,969,804	8,221,840	18,597,436	10,375,596
	1919	113	11,009	10,467,137	16,693,140	36,789,627	20,096,487
	1914	138	10,616	5,654,557	9,501,766	19,875,762	10,373,996
Needles, pins, and hooks and eyes.	1921	68	6,542	5,542,404	6,162,949	18,896,168	12,733,219
	1919	92	9,294	8,809,781	10,227,199	29,304,995	19,077,796
	1914	49	5,339	2,506,611	3,241,657	7,890,879	4,649,222
Nets and seines	1921	15	705	495,015	1,945,749	3,015,865	1,070,116
	1919	19	859	561,282	3,648,206	5,114,414	1,466,208
	1914	15	1,058	378,741	2,257,093	3,088,042	830,949
Oakum [13]	1919	6	124	118,032	575,525	983,423	407,898
	1914	6	116	49,305	235,141	358,534	123,393

[11] Included in "All other industries" in 1914 and with "Grindstones" in 1921.
[12] Included with "Photographic materials" in 1914 and 1919.
[13] Included in "All other industries" in 1921.

No. 158.—SUMMARY OF MANUFACTURES: BETWEEN CENSUS GROUPS OF YEARS. BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1921, 1919, AND 1914—Continued.

Industry.	Census year.	Number of establishments.	Wage earners (average number).	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
				Dollars.	*Dollars.*	*Dollars.*	*Dollars.*
Oil and cake, cottonseed	1921	610	16,163	12,339,895	194,864,331	217,225,030	22,360,699
	1919	711	26,766	20,615,193	495,192,294	581,244,798	86,052,504
	1914	882	21,810	8,489,692	180,976,413	212,127,024	31,150,611
Oil, essential	1921	27	299	363,879	2,548,439	3,421,690	873,251
	1919	78	321	391,213	3,903,417	5,698,403	1,794,986
	1914	105	249	133,272	1,564,835	2,313,606	748,771
Oil, linseed	1921	28	2,073	3,019,376	58,452,351	71,032,261	12,579,910
	1919	26	2,173	3,052,269	100,577,538	120,638,100	20,060,562
	1914	25	1,488	1,127,169	39,555,408	44,882,538	5,327,130
Oil, not elsewhere specified.[14]	1921	245	3,536	3,897,690	74,550,460	93,274,587	18,724,127
	1919	280	5,930	6,141,145	119,270,586	156,479,654	37,209,068
	1914	181	3,558	1,363,301	26,420,275	38,040,152	11,619,877
Oilcloth and linoleum, floor.	1921	19	5,694	7,207,943	25,635,055	48,622,153	22,987,098
	1919	21	5,413	6,518,089	30,368,703	52,673,206	22,304,503
	1914	18	4,428	2,604,368	11,251,876	17,602,336	6,350,460
Oilcloth, enameled	1921	10	947	1,337,126	9,283,993	13,691,448	4,407,455
	1919	11	1,130	1,200,877	11,140,723	15,436,875	4,296,152
	1914	13	1,223	608,947	6,523,987	7,996,025	1,472,038
Oleomargarine and other butter substitutes.	1921	45	2,041	2,728,058	28,062,134	39,176,577	11,114,443
	1919	42	2,851	3,184,118	66,042,792	79,815,580	13,772,788
	1914	17	917	583,592	10,257,480	15,079,784	4,822,304
Optical goods	1921	452	11,120	12,723,193	16,520,454	44,292,084	27,771,630
	1919	506	14,723	14,388,207	17,785,083	53,717,798	35,932,715
	1914	314	7,919	4,649,406	6,605,548	18,187,965	11,582,417
Ordnance and accessories.[15]	1919	26	11,328	15,556,642	26,592,658	69,495,628	42,902,970
Paints	1921	582	13,877	17,431,915	127,263,839	203,071,131	75,807,292
	1919	601	17,485	19,550,371	165,604,116	256,714,379	91,110,263
	1914	585	13,349	8,315,223	71,588,364	112,408,742	40,820,378
Paper and wood pulp	1921	738	105,394	127,028,767	445,992,351	667,435,847	221,443,496
	1919	729	113,759	135,690,642	467,482,637	788,059,377	320,576,740
	1914	718	88,457	53,245,639	213,181,286	332,147,175	118,965,889
Paper goods, not elsewhere specified.	1921	290	11,510	11,807,357	49,872,170	84,129,401	34,257,231
	1919	308	14,135	12,066,924	65,295,484	107,284,759	41,989,275
	1914	310	13,495	6,849,761	28,120,244	48,871,461	20,751,217
Paper patterns	1921	18	816	844,107	1,337,500	10,530,453	9,192,953
	1919	19	403	374,479	316,890	1,528,382	1,211,492
	1914	25	1,073	577,285	626,311	3,026,022	2,399,711
Patent medicines and compounds.	1921	1,436	13,800	13,684,434	69,571,327	175,898,330	106,327,003
	1919	2,467	17,444	13,748,813	88,819,417	212,162,255	123,342,838
	1914	2,903	13,328	6,675,168	35,940,434	102,463,374	66,522,940
Paving materials	1921	653	15,387	17,284,903	24,473,607	61,128,969	36,655,362
	1919	889	16,072	17,169,154	16,019,811	45,740,606	29,720,795
	1914	609	19,540	11,184,030	14,162,839	35,678,054	21,515,215
Peanuts, grading, roasting, cleaning, and shelling.	1921	66	2,099	1,064,502	17,054,215	19,668,947	2,614,732
	1919	78	2,460	1,328,712	28,474,052	33,354,377	4,880,325
	1914	61	2,353	569,409	12,571,391	14,996,369	2,424,978
Pencils, lead	1921	14	5,134	5,034,899	7,259,861	21,382,050	14,122,189
	1919	12	5,970	5,299,050	9,073,563	24,134,159	15,060,596
	1914	14	4,330	1,944,376	4,564,000	8,328,418	3,764,418
Pens, fountain and stylographic.	1921	51	2,742	3,043,920	5,619,854	12,794,514	7,174,660
	1919	56	3,207	2,980,663	5,811,419	15,996,808	10,185,389
	1914	55	1,154	717,513	1,614,145	6,865,074	5,250,929

[14] Includes "Oil, castor," and "Oil, lard, not made in slaughtering and meat-packing establishments."
[15] Included in "All other industries" in 1914 and 1921.

No. 158.—SUMMARY OF MANUFACTURES: BETWEEN CENSUS GROUPS OF YEARS. BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1921, 1919, AND 1914—Continued.

Industry.	Census year.	Number of establishments.	Wage earners (average number).	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
				Dollars.	*Dollars.*	*Dollars.*	*Dollars.*
Pens, gold	1921	12	289	376,399	631,501	1,335,220	703,719
	1919	15	416	517,123	962,410	1,801,460	839,050
	1914	12	246	174,209	301,893	642,461	340,568
Pens, steel	1921	4	372	308,797	173,109	846,277	673,168
	1919	4	807	679,405	398,383	1,679,541	1,281,158
	1914	5	573	243,043	117,113	513,498	396,385
Perfumery and cosmetics.	1921	422	5,838	5,353,337	28,012,720	72,540,904	44,528,184
	1919	569	5,405	3,983,016	26,147,026	59,613,301	33,466,365
	1914	496	2,897	1,279,899	7,464,786	16,899,101	9,434,315
Petroleum refining	1921	366	63,189	102,294,108	1,382,170,434	1,727,440,157	345,269,723
	1919	320	58,889	89,749,637	1,247,908,355	1,632,532,766	384,624,411
	1914	176	25,366	19,397,466	325,264,509	396,361,406	71,096,897
Phonographs and graphophones.	1921	154	17,938	21,773,750	41,057,508	98,212,784	57,155,276
	1919	166	28,721	33,963,148	59,740,205	158,547,870	98,807,665
	1914	18	9,381	6,341,495	7,048,040	27,115,916	20,067,876
Photo-engraving	1921	421	6,971	15,046,323	5,928,493	36,215,570	30,287,077
	1919	422	6,769	10,423,541	5,038,382	29,389,386	24,351,004
	1914	376	6,211	6,166,638	2,798,132	15,358,604	12,560,472
Photographic apparatus	1921	48	1,441	1,790,748	1,997,765	5,444,944	3,447,179
	1919	68	2,555	2,642,957	3,584,380	9,384,050	5,799,670
	1914	87	2,016	1,289,092	1,535,405	4,273,162	2,737,757
Photographic materials.	1921	88	9,249	11,980,397	36,399,381	65,150,400	28,751,019
	1919	169	14,556	18,965,941	49,801,747	115,714,179	65,912,432
	1914	59	6,658	4,256,212	10,003,976	34,768,364	24,764,388
Pickles, preserves, and sauces.	1921	548	13,061	11,994,560	71,099,533	117,611,444	46,511,911
	1919	723	16,621	13,346,467	93,037,433	145,784,530	52,747,097
	1914	672	12,590	5,788,825	35,672,506	60,914,532	25,242,026
Pipes, tobacco	1921	36	1,765	1,937,097	2,825,856	7,123,810	4,297,954
	1919	56	2,539	2,555,291	3,497,414	11,553,777	8,056,363
	1914	47	2,534	1,188,411	2,308,246	4,220,084	1,911,838
Plated ware	1921	66	9,535	10,664,149	12,408,683	33,944,136	21,535,453
	1919	68	9,492	10,913,091	17,766,536	41,634,585	23,868,049
	1914	72	8,717	5,000,381	8,304,039	18,484,235	10,180,196
Plumbers' supplies, not elsewhere specified.	1921	220	16,670	20,396,947	25,759,927	69,118,794	43,358,867
	1919	214	13,592	15,962,517	27,797,007	60,055,265	32,258,258
	1914	260	18,479	11,703,328	18,669,833	43,385,888	24,716,055
Pocketbooks	1921	115	2,715	3,224,244	6,221,200	13,084,969	6,863,769
	1919	139	2,905	3,061,903	7,557,155	14,549,659	6,992,504
	1914	64	1,466	702,314	1,783,840	3,350,552	1,566,712
Pottery	1921	271	28,458	35,355,509	25,227,227	84,217,427	58,990,200
	1919	340	27,934	29,820,278	20,794,076	74,919,186	54,125,110
	1914	350	26,705	16,666,330	12,031,556	36,942,606	24,911,050
Poultry, killing and dressing not done in slaughtering and meat-packing establishments.	1921	169	2,255	1,964,959	29,321,111	34,716,913	5,395,802
	1919	196	2,140	2,045,043	36,015,817	41,705,079	5,689,262
	1914	116	1,353	622,278	11,205,603	12,916,608	1,711,005
Printing and publishing, book and job.	1921	9,758	121,055	181,065,572	216,138,568	690,074,975	473,936,407
	1919	13,089	123,005	141,476,243	211,067,174	597,663,228	386,596,054
	1914	12,115	113,121	78,413,700	96,453,232	307,330,861	210,877,629
Printing and publishing, music.	1921	107	900	1,246,863	2,016,311	14,024,672	12,008,361
	1919	160	899	926,988	2,123,781	14,592,177	12,468,396
	1914	180	873	572,985	1,046,630	7,271,266	6,224,636
Printing and publishing, newspapers and periodicals.	1921	10,453	107,534	174,358,525	371,124,293	1,123,709,828	752,585,535
	1919	17,362	120,381	144,348,173	300,385,187	924,152,878	623,767,691
	1914	19,317	114,375	88,561,248	129,082,218	495,905,948	366,823,730

No. 158.—SUMMARY OF MANUFACTURES: BETWEEN CENSUS GROUPS OF YEARS. BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1921, 1919, AND 1914—Continued.

Industry.	Census year.	Number of establishments.	Wage earners (average number).	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
				Dollars.	*Dollars.*	*Dollars.*	*Dollars.*
Printing materials	1921	74	816	1,153,276	1,713,736	5,319,261	3,605,525
	1919	82	723	799,402	1,619,718	4,918,799	3,299,081
	1914	94	423	340,041	763,212	2,110,814	1,347,602
Pulp, from fiber other than wood.[16]	1919	5	64	55,944	395,947	524,444	128,497
Pulp goods	1921	60	4,718	5,621,612	16,252,330	31,213,154	14,960,824
	1919	40	3,041	3,608,314	11,381,972	23,608,403	12,226,431
	1914	24	1,654	883,984	2,191,276	4,482,981	2,291,705
Pumps, not including power pumps.	1921	86	3,695	3,510,339	8,127,580	22,723,412	14,595,832
	1919	127	5,384	5,968,121	12,161,892	31,656,438	19,494,546
	1914	96	2,134	1,391,460	2,765,270	6,350,411	3,585,141
Pumps, steam and other power.	1921	135	8,491	10,459,192	18,676,389	47,239,001	28,562,612
	1919	112	10,688	13,763,526	23,907,889	53,745,502	29,837,613
	1914	87	6,188	4,163,743	6,693,474	17,864,311	11,170,837
Refrigerators	1921	116	5,804	7,160,594	16,313,562	33,010,226	16,696,664
	1919	122	5,786	5,809,351	11,948,972	26,048,808	14,099,836
	1914	134	5,617	3,572,334	7,343,392	15,051,794	7,708,402
Regalia, and society badges and emblems.	1921	81	2,204	2,048,356	4,422,824	10,359,349	5,936,525
	1919	115	2,223	1,800,383	4,287,055	9,395,470	5,108,415
	1914	138	2,010	979,963	2,205,068	5,025,451	2,820,383
Rice, cleaning and polishing.	1921	76	1,940	1,706,986	34,178,609	41,213,472	7,034,863
	1919	86	2,113	1,932,196	76,633,816	90,038,412	13,404,596
	1914	59	1,253	645,863	20,615,860	23,039,294	2,423,434
Roofing materials	1921	136	6,908	9,213,041	45,013,397	76,193,430	31,180,033
	1919	178	8,871	10,344,043	52,587,777	85,895,359	33,307,582
	1914	170	4,088	2,642,136	17,604,944	27,977,913	10,372,969
Rubber tires and inner tubes.[17]	1921	178	55,496	75,054,148	291,554,377	496,123,335	204,568,958
Rubber goods, not elsewhere specified.[17]	1921	276	20,882	22,023,013	46,949,229	99,866,997	52,917,768
Rubber tires, tubes, and rubber goods, not elsewhere specified.	1919	437	119,848	156,806,828	525,686,309	987,088,045	461,401,736
	1914	301	50,220	31,278,755	126,111,673	223,610,784	97,499,111
Rules, ivory and wood	1921	11	188	162,291	137,538	533,873	396,335
	1919	13	168	142,290	133,934	480,543	346,609
	1914	10	408	223,772	187,171	634,242	447,071
Saddlery and harness	1921	593	4,489	4,996,664	17,664,981	30,163,601	12,498,620
	1919	1,823	10,411	10,849,066	52,442,907	83,713,010	31,270,103
	1914	2,551	12,969	7,995,612	33,086,442	53,558,612	20,472,170
Safes and vaults	1921	34	3,547	4,792,613	7,440,040	19,725,452	12,285,412
	1919	38	2,949	3,233,318	6,608,680	15,293,927	8,685,247
	1914	39	2,972	1,860,203	2,645,835	7,256,792	4,610,957
Salt	1921	79	5,993	7,147,512	16,407,355	33,158,558	16,751,203
	1919	86	6,495	7,353,420	16,027,791	37,513,821	21,486,030
	1914	98	5,089	3,041,294	6,273,030	14,070,333	7,797,303
Sand and emery paper and cloth.	1921	12	680	867,585	3,591,851	6,462,025	2,870,174
	1919	12	771	840,766	5,060,561	9,303,734	4,243,173
	1914	12	681	359,201	2,686,530	4,328,127	1,641,597
Sand-lime brick	1921	26	374	361,182	500,689	1,220,425	719,736
	1919	32	504	501,854	575,402	1,663,052	1,087,650
	1914	45	557	321,956	350,484	994,199	463,715

[16] Included in "All other industries" in 1914 and 1921.
[17] Included in "Rubber tires, tubes, and rubber goods, not elsewhere specified" in 1919 and 1914.

No. 158.—SUMMARY OF MANUFACTURES: BETWEEN CENSUS GROUPS OF YEARS. BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1921, 1919, AND 1914—Continued.

Industry.	Census year.	Number of establishments.	Wage earners (average number).	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
				Dollars.	*Dollars.*	*Dollars.*	*Dollars.*
Sausage, not made in slaughtering and meat packing establishments.	1921	513	3,872	5,479,184	37,441,686	53,087,089	15,645,403
	1919	633	3,471	4,679,118	43,940,356	56,610,092	12,669,736
	1914	512	2,244	1,607,426	17,291,623	22,013,506	4,721,883
Saws	1921	79	3,788	4,086,840	6,479,913	18,185,297	11,705,384
	1919	112	5,510	6,280,807	11,792,224	31,460,557	19,668,333
	1914	100	4,560	3,019,497	4,174,186	12,517,165	7,802,979
Scales and balances	1921	65	3,720	4,427,986	4,716,313	15,884,770	11,168,457
	1919	79	5,432	6,533,978	6,993,682	20,641,038	13,647,356
	1914	83	4,467	2,933,696	3,174,467	9,733,721	6,559,254
Screws, machine	1921	160	5,911	6,547,522	7,576,843	18,365,242	10,788,399
	1919	143	10,262	12,104,780	14,983,868	40,015,460	25,031,592
	1914	66	3,643	2,309,634	3,057,968	7,247,502	4,189,534
Screws, wood	1921	8	2,742	2,797,031	2,462,145	7,418,489	4,956,344
	1919	11	4,889	4,864,613	5,551,563	15,459,582	9,908,019
	1914	12	4,446	1,950,498	2,350,156	6,216,940	3,866,784
Sewing-machine cases [18]	1919	5	4,171	5,161,120	8,018,270	14,243,468	6,225,198
	1914	4	3,699	2,230,181	2,840,781	5,845,663	3,004,882
Sewing machines and attachments.	1921	36	12,569	12,528,182	14,932,035	35,608,297	20,671,262
	1919	40	16,059	19,333,378	16,384,134	43,694,919	27,310,785
	1914	46	14,308	8,860,843	7,358,664	21,391,917	14,033,253
Shipbuilding, steel	1921	126	93,323	137,122,187	153,818,179	356,214,854	202,396,675
	1919	162	344,014	538,372,576	643,752,814	1,456,489,516	812,736,702
	1914	79	33,508	25,165,792	20,269,727	66,216,692	36,946,965
Shipbuilding, wooden	1921	514	13,122	18,821,303	15,550,246	44,619,251	29,069,005
	1919	913	43,432	59,074,072	66,769,862	165,871,745	99,101,883
	1914	1,068	10,981	7,765,364	9,327,243	22,465,379	13,138,136
Shirts	1921	860	45,427	33,182,332	123,259,180	203,944,376	80,685,196
	1919	896	39,603	25,833,855	127,087,745	205,327,133	78,239,388
	1914	792	51,972	19,169,697	50,664,974	95,815,013	45,150,039
Show cases	1921	98	2,058	2,869,843	4,243,857	10,476,360	6,232,503
	1919	119	1,857	1,995,660	4,032,123	8,294,308	4,262,185
	1914	132	2,257	1,466,223	2,248,276	5,233,225	2,984,949
Signs and advertising novelties.	1921	624	10,373	12,703,005	18,734,401	53,270,864	34,536,463
	1919	779	10,432	9,715,216	16,071,924	43,343,093	27,271,169
	1914	776	9,566	5,933,044	9,058,788	24,792,210	15,733,422
Silk goods, including throwsters.	1921	1,565	121,378	113,395,626	337,558,799	583,418,756	245,859,957
	1919	1,369	126,782	108,226,330	388,469,022	688,469,523	300,000,501
	1914	902	108,170	47,108,469	144,442,321	254,011,257	109,568,936
Silversmithing and silverware.	1921	103	5,287	7,150,690	8,964 865	24,410,809	15,445,944
	1919	99	6,453	7,359,409	13,060,929	29,126,133	16,065,204
	1914	108	7,070	4,795,347	8,275,506	19,786,317	11,510,811
Slaughtering and meat packing.	1921	1,184	117,042	152,902,633	1,868,198,302	2,200,942,072	332,743,770
	1919	1,304	160,996	209,489,263	3,782,929,533	4,246,290,614	463,361,081
	1914	1,279	98,832	62,135,722	1,441,662,658	1,651,965,424	210,302,766
Smelting and refining, copper.	1921	28	8,293	11,199,279	205,903,896	234,895,245	28,991,349
	1919	34	17,345	25,723,371	584,410,173	651,101,591	66,691,418
	1914	37	17,731	16,149,251	379,157,030	444,021,958	64,864,928
Smelting and refining, lead.	1921	23	4,509	5,957,961	134,061,121	150,593,779	16,532,658
	1919	25	6,438	9,179,615	179,373,646	196,794,519	17,420,873
	1914	22	7,385	6,134,274	154,014,765	171,578,587	17,563,822
Smelting and refining, zinc.	1921	29	5,778	7,243,760	24,312,208	37,482,675	13,170,467
	1919	39	13,796	17,783,278	70,014,728	104,122,938	34,108,210
	1914	29	9,617	6,699,620	39,572,587	53,538,398	13,965,811

[18] Included in "Sewing machines and attachments" in 1921.

No. 158.—SUMMARY OF MANUFACTURES: BETWEEN CENSUS GROUPS OF YEARS. BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1921, 1919, AND 1914—Continued.

Industry.	Census year.	Number of establishments.	Wage earners (average number).	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
				Dollars.	*Dollars.*	*Dollars.*	*Dollars.*
Smelting and refining, metals not elsewhere specified.[19]	1921	5	434	747,682	4,054,663	7,060,205	3,005,542
	1919	13	2,041	2,963,148	14,957,367	20,074,504	5,117,137
Smelting and refining not from the ore.	1921	60	1,200	1,528,236	10,031,481	15,150,055	5,118,574
	1919	81	2,167	3,093,140	40,675,880	50,246,088	9,570,208
	1914	84	2,585	1,884,325	31,250,707	39,902,114	8,651,407
Soap	1921	283	16,558	18,864,713	150,355,643	240,194,619	89,938,976
	1919	348	20,436	21,228,063	238,518,858	316,740,115	78,221,257
	1914	371	14,172	8,087,937	88,886,786	127,942,441	39,075,655
Soda-water apparatus	1921	62	2,144	3,047,981	6,495,791	15,407,131	8,911,340
	1919	66	2,599	3,232,398	6,626,868	15,185,370	8,558,502
	1914	67	2,229	1,661,245	3,883,076	8,781,437	4,898,361
Sporting and athletic goods.	1921	152	7,063	7,400,470	15,401,261	31,811,174	16,409,913
	1919	188	6,412	5,752,963	11,969,388	23,839,991	11,870,603
	1914	162	5,602	2,770,891	6,951,870	13,234,677	6,282,807
Spring, steel, car and carriage, etc., not made in steelworks or rolling mills.	1921	126	5,358	6,779,358	16,007,255	31,750,373	15,743,118
	1919	112	8,981	11,157,874	28,019,180	51,479,535	23,460,355
	1914	84	3,703	2,601,848	6,142,927	11,594,992	5,452,065
Stamped and enameled ware, not elsewhere specified.	1921	324	24,192	26,862,380	48,232,687	100,585,381	52,352,694
	1919	323	34,248	34,851,311	65,456,652	143,653,877	78,197,225
	1914	270	28,731	15,242,586	32,472,230	65,121,301	32,649,071
Stationery goods, not elsewhere specified.	1921	221	11,285	12,399,283	29,605,923	64,596,978	34,991,055
	1919	223	11,261	9,577,867	28,160,239	58,363,244	30,203,005
	1914	189	7,728	3,791,012	10,762,628	21,903,066	11,140,438
Statuary and art goods	1921	138	1,634	2,741,429	1,715,217	6,666,964	4,951,747
	1919	195	1,466	1,716,067	1,378,540	5,019,521	3,640,981
	1914	190	1,988	1,582,745	842,289	3,909,569	3,067,280
Steam-fitting and steam and hot-water heating apparatus.	1921	274	30,808	39,596,053	50,213,402	127,366,887	77,153,485
	1919	261	36,686	45,742,525	72,016,393	160,285,488	88,269,095
	1914	295	26,388	16,737,879	26,921,102	63,922,434	37,001,332
Steam packing	1921	157	4,877	5,328,783	15,983,691	29,112,457	13,128,766
	1919	169	6,147	7,103,275	22,724,561	40,524,779	17,800,218
	1914	149	4,213	2,524,503	8,175,630	14,212,595	6,036,965
Steel barrels, drums and tanks.[20]	1921	31	2,013	2,322,503	9,266,744	14,525,010	5,258,266
	1919	33	3,322	4,435,444	15,151,210	24,942,650	9,791,440
Stencils and brands	1921	40	232	301,364	441,232	1,205,455	764,223
	1919	84	417	428,706	514,241	1,597,785	1,083,544
	1914	107	446	300,981	332,415	1,102,557	770,142
Stereotyping and electrotyping.	1921	157	3,617	7,081,705	3,745,595	17,358,994	13,613,399
	1919	171	3,664	5,002,545	4,234,479	15,919,014	11,684,535
	1914	189	3,457	3,001,369	2,254,926	8,154,171	5,899,245
Stoves and hot-air furnaces.	1921	357	24,530	29,827,914	40,999,611	101,572,793	60,573,182
	1919	412	32,868	41,321,133	54,803,316	145,717,963	90,914,647
	1914	438	29,535	20,777,272	23,801,785	67,941,106	44,139,321
Stoves, gas and oil	1921	155	7,921	9,480,309	21,217,517	42,712,676	21,495,159
	1919	176	10,565	12,578,830	24,471,970	55,792,029	31,320,059
	1914	113	7,790	5,088,216	10,153,185	21,448,932	11,295,747
Structural-iron work, not made in steelworks or rolling mills.	1921	1,021	32,897	47,455,082	151,010,906	250,085,446	99,074,540
	1919	1,146	43,962	59,920,132	168,800,715	294,962,419	126,161,704
	1914	1,235	47,167	33,428,913	87,621,537	159,377,857	71,756,320

[19] Included in "Other classifications" prior to 1919, and covers "smelting and refining, antimony," and "Smelting and refining tin," in 1919 and "Smelting and refining tin" in 1921, to avoid disclosing the operations of individual estsblishments.

[20] Included in "Foundry and machine shops" prior to 1919.

No. 158.—SUMMARY OF MANUFACTURES: BETWEEN CENSUS GROUPS OF YEARS. BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1921, 1919, AND 1914—Continued.

Industry.	Census year.	Number of establishments.	Wage earners (average number).	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
				Dollars.	*Dollars.*	*Dollars.*	*Dollars.*
Sugar, beet	1921	92	13,602	22,658,392	121,868,863	139,109,655	17,240,792
	1919	85	11,781	15,908,118	87,029,144	149,155,892	62,126,748
	1914	60	7,997	6,606,204	41,399,361	62,605,210	21,205,849
Sugar, cane	1921	134	2,724	2,296,207	16,941,432	22,961,221	6,019,789
	1919	202	6,101	4,009,369	44,143,416	57,741,320	13,597,904
	1914	181	3,632	1,561,376	15,958,218	21,635,373	5,677,155
Sugar refining, not including beet sugar.	1921	20	15,457	19,463,410	426,600,908	466,602,352	40,001,444
	1919	20	18,202	22,710,464	662,143,981	730,986,706	68,842,725
	1914	18	11,253	7,823,377	264,085,358	289,398,715	25,313,357
Sulphuric, nitric, and mixed acids.	1921	36	2,832	4,137,062	9,770,387	21,462,920	11,692,533
	1919	39	4,961	7,916,531	15,857,361	31,470,480	15,613,119
	1914	32	3,064	2,212,547	6,734,428	15,215,474	8,481,046
Surgical appliances	1921	190	4,310	4,555,113	14,457,730	32,495,421	18,037,691
	1919	268	6,390	6,084,143	22,213,621	43,533,860	21,320,239
	1914	238	4,282	2,211,246	7,097,532	14,919,984	7,822,452
Suspenders, garters, and elastic woven goods.	1921	170	9,493	8,788,995	27,232,682	44,935,467	17,702,785
	1919	196	10,857	9,270,130	36,369,218	60,774,652	24,405,434
	1914	216	9,646	4,276,126	15,191,194	24,432,753	9,241,559
Textile machinery and parts.[21]	1921	421	31,025	38,830,660	44,903,788	128,934,896	84,031,108
	1919	432	31,823	36,528,729	45,636,628	122,089,264	76,452,636
Theatrical scenery	1921	18	169	361,302	491,682	1,214,480	722,798
	1919	17	149	237,603	504,655	1,067,033	562,378
	1914	*7*	*88*	*89,359*	*124,577*	*326,965*	*202,388*
Tin foil, and other foils, not elsewhere specified	1921	22	2,178	2,557,354	9,264,808	14,036,882	4,772,074
	1919	15	1,908	1,759,320	13,007,990	17,920,834	4,912,844
	1914	14	1,031	527,443	3,671,815	5,067,967	1,396,152
Tinplate and terneplate[22]	1919	24	3,122	5,756,417	73,422,649	97,404,720	23,982,071
	1914	31	5,238	3,924,447	57,906,561	68,342,962	10,436,401
Tinware, not elsewhere specified.	1921	244	22,711	24,595,432	108,747,954	168,304,813	59,556,859
	1919	301	34,386	34,493,399	165,170,736	233,964,000	68,793,264
	1914	294	22,584	12,217,359	53,840,817	81,930,880	28,090,063
Tobacco, chewing and smoking, and snuff.	1921	226	16,628	12,742,452	156,476,535	241,740,732	85,264,197
	1919	365	18,324	12,674,736	130,270,388	239,270,718	109,000,330
	1914	436	25,980	9,549,702	76,604,059	175,280,925	98,676,866
Tobacco, cigars, and cigarettes.	1921	4,146	133,357	108,161,040	452,211,828	806,748,865	354,537,037
	1919	9,926	138,773	111,313,348	353,297,366	773,662,495	420,365,129
	1914	13,515	152,892	68,306,398	130,529,525	314,884,297	184,354,772
Tools, not elsewhere specified.	1921	714	19,453	22,643,499	25,550,113	70,523,416	44,973,303
	1919	1,125	35,585	43,836,069	45,796,967	144,201,668	98,404,701
	1914	661	16,866	10,216,885	12,235,269	33,892,511	21,657,242
Toys and games	1921	362	9,448	8,953,034	14,568,517	35,491,345	20,922,828
	1919	541	14,201	11,847,277	19,841,498	45,656,803	25,815,305
	1914	290	7,887	3,498,866	5,779,494	13,756,748	7,977,254
Trunks and valises	1921	504	8,712	10,260,364	23,882,610	46,548,977	22,666,367
	1919	597	11,470	12,463,767	33,222,432	63,932,266	30,709,834
	1914	561	9,911	5,540,157	13,625,457	26,471,527	12,846,070
Turpentine and rosin	1921	1,062	27,422	9,512,177	6,199,179	23,300,845	17,101,666
	1919	1,191	28,067	16,972,881	13,929,888	53,051,294	39,121,406
	1914	*1,394*	*34,817*	*8,582,970*	*5,535,561*	*20,990,191*	*15,454,630*
Typefounding	1921	18	608	634,131	696,256	2,129,636	1,433,380
	1919	23	810	867,517	943,245	2,089,757	1,146,512
	1914	31	1,054	665,861	901,331	2,319,781	1,418,450

[21] Included in "Foundry and machine shop" prior to 1919.
[22] Included in "All other industries" in 1921.

No. 158.—Summary of Manufactures: Between Census Groups of Years. By Specified Industries, Calendar Years 1921, 1919, and 1914—Continued.

Industry.	Census year.	Number of establishments.	Wage earners (average number).	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
				Dollars.	*Dollars.*	*Dollars.*	*Dollars.*
Typewriters and supplies.	1921	75	13,381	14,398,116	10,770,289	41,789,990	31,019,701
	1919	88	15,669	17,009,432	16,143,662	52,737,661	36,593,999
	1914	107	11,091	6,966,466	5,501,036	24,499,667	18,998,631
Umbrellas and canes	1921	154	3,149	3,126,246	16,888,759	26,007,762	9,119,003
	1919	198	3,368	3,139,662	15,632,989	25,308,826	9,675,837
	1914	265	4,792	2,167,453	8,591,867	13,813,353	5,221,486
Upholstering materials, not elsewhere specified.	1921	133	3,271	3,465,099	16,689,552	23,810,226	7,120,674
	1919	163	4,810	4,637,307	25,448,893	39,889,711	14,440,818
	1914	179	4,426	2,143,567	10,796,288	16,491,556	5,695,268
Varnishes	1921	222	4,138	5,861,360	44,133,983	71,239,183	27,105,200
	1919	229	4,022	4,567,788	51,508,256	83,632,424	32,124,168
	1914	215	2,734	1,865,065	16,877,393	33,214,949	16,337,556
Vault lights and ventilators.	1921	25	245	365,943	1,170,094	2,150,382	980,288
	1919	41	316	424,197	810,579	2,155,864	1,345,285
	1914	45	601	456,977	958,754	2,051,051	1,092,297
Vinegar and cider	1921	227	1,481	1,578,142	9,893,690	18,248,828	8,355,138
	1919	720	1,981	2,047,469	15,558,525	24,722,610	9,164,085
	1914	618	1,229	712,667	4,440,452	7,810,892	3,370,440
Wall paper, not made in paper mills.	1921	43	3,988	4,981,572	16,336,110	29,147,905	12,811,795
	1919	48	4,262	3,882,396	13,152,503	23,047,901	9,895,398
	1914	48	4,738	2,703,175	8,536,255	15,887,123	7,350,868
Wall plaster and composition flooring.	1921	144	4,898	6,997,050	16,116,801	32,353,697	16,236,896
	1919	161	5,123	5,833,617	11,821,465	26,874,657	15,053,192
	1914	165	5,389	3,453,450	7,992,749	16,544,475	8,551,726
Washing machines and clothes wringers.	1921	96	4,147	4,898,188	16,621,634	30,198,566	13,576,932
	1919	105	5,956	6,431,378	23,388,925	40,771,285	17,382,360
	1914	111	2,302	1,220,882	4,148,481	7,599,802	3,451,321
Waste	1921	87	1,863	1,428,747	12,632,418	16,791,004	4,158,586
	1919	92	2,686	2,106,840	22,144,087	29,700,402	7,556,315
	1914	73	2,966	1,190,613	15,237,633	17,600,093	2,362,460
Watch and clock materials, except watchcases.	1921	23	390	374,702	356,581	1,086,444	729,863
	1919	27	582	412,820	549,521	1,341,697	792,176
	1914	25	670	379,614	342,621	1,014,549	671,928
Watchcases	1921	37	3,698	4,217,210	5,625,146	13,805,957	8,180,811
	1919	33	3,900	4,000,727	8,205,754	19,618,773	11,413,019
	1914	31	3,514	1,938,358	4,001,595	7,830,987	3,829,392
Watches	1921	17	12,174	13,602,029	5,160,842	24,396,516	19,235,674
	1919	18	15,888	16,598,896	6,392,562	32,044,299	25,651,737
	1914	15	12,390	7,524,146	2,669,511	14,275,279	11,605,768
Wheelbarrows	1921	11	228	276,175	807,652	1,454,581	646,929
	1919	11	291	271,442	971,096	1,679,538	708,442
	1914	21	323	199,043	429,480	941,872	512,392
Whips	1921	14	292	239,931	427,634	1,022,118	594,484
	1919	26	717	582,230	1,096,642	2,986,285	1,889,643
	1914	40	1,163	559,448	1,340,943	3,161,910	1,820,967
Windmills	1921	24	1,383	1,580,988	3,459,495	6,529,604	3,070,109
	1919	31	1,932	2,145,301	4,960,426	9,932,585	4,972,159
	1914	31	1,955	1,252,330	2,555,121	5,496,591	2,941,470
Window and door screens and weather strips.	1921	157	2,129	2,655,825	6,102,420	12,037,778	5,935,358
	1919	214	2,179	2,046,768	4,897,389	10,932,857	6,035,468
	1914	220	3,194	1,894,257	4,260,569	9,167,288	4,906,719
Window shades and fixtures.	1921	242	3,781	4,421,041	17,887,660	29,647,761	11,760,101
	1919	287	4,411	3,669,286	18,249,540	29,190,649	10,941,109
	1914	286	4,077	2,180,585	11,888,569	17,444,120	5,555,551
Wire	1921	61	14,832	17,809,545	62,705,464	99,945,614	37,240,150
	1919	66	19,741	29,289,667	102,813,591	162,151,236	59,337,645
	1914	54	17,600	11,020,729	56,424,494	81,841,012	25,416,518

No. 158.—SUMMARY OF MANUFACTURES: BETWEEN CENSUS GROUPS OF YEARS. BY SPECIFIED INDUSTRIES, CALENDAR YEARS 1921, 1919, AND 1914—Continued.

Industry.	Census year.	Number of establishments.	Wage earners (average number).	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
				Dollars.	*Dollars.*	*Dollars.*	*Dollars.*
Wirework, including wire rope and cable not elsewhere specified	1921	413	11,485	13,314,017	37,039,301	66,384,507	29,345,206
	1919	558	15,224	15,505,992	50,754,070	90,549,245	39,795,175
	1914	552	12,126	6,719,222	24,113,708	41,789,394	17,675,686
Wood distillation	1921	87	1,861	1,806,033	6,474,753	9,258,478	2,783,725
	1919	115	4,946	5,309,689	20,059,651	32,545,314	12,485,663
	1914	95	2,782	1,564,822	6,495,570	9,882,537	3,386,967
Wood preserving	1921	78	4,153	4,501,849	34,432,474	47,421,997	12,989,523
	1919	73	3,978	4,342,277	23,241,858	33,239,313	9,997,455
	1914	68	2,830	1,784,690	16,059,754	21,054,857	4,995,103
Wood, turned and carved.	1921	528	9,144	8,614,750	15,530,268	31,322,040	15,791,772
	1919	722	10,649	9,307,242	16,609,215	34,847,139	18,237,924
	1914	828	11,615	5,645,399	9,165,720	19,046,579	9,880,859
Wooden goods, not elsewhere specified.	1921	196	5,492	4,902,295	9,938,455	20,230,973	10,292,518
	1919	245	6,443	5,661,674	10,173,353	21,793,261	11,619,908
	1914	274	6,418	2,767,359	4,952,335	10,162,236	5,209,901
Wool pulling	1921	22	552	693,475	5,197,095	6,767,161	1,570,066
	1919	24	705	909,788	12,809,592	17,361,231	4,551,639
	1914	34	708	452,190	6,632,101	8,272,721	1,640,620
Wool scouring	1921	24	1,536	2,067,467	3,303,717	6,819,605	3,515,888
	1919	33	2,177	2,896,453	7,228,350	13,679,584	6,451,234
	1914	24	1,059	616,593	3,176,438	4,565,412	1,388,974
Wool shoddy	1921	53	1,170	1,256,249	4,479,956	6,803,118	2,323,162
	1919	78	2,566	2,653,169	16,076,315	23,254,398	7,178,083
	1914	64	2,145	1,056,114	5,299,903	7,706,843	2,406,940
Woolen goods [23]	1921	493	56,434	62,893,150	120,275,820	230,944,847	110,669,027
Worsted goods [23]	1921	321	105,930	112,001,618	279,769,742	524,638,921	244,869,179
Woolen and worsted goods.	1919	852	166,787	168,108,681	665,594,683	1,065,434,072	399,839,389
	1914	799	158,692	75,953,444	246,496,666	379,484,379	132,987,713
All other industries [24]	1921	16	1,506	2,076,812	9,885,981	16,245,323	6,359,342
	1919	5	99	89,798	199,589	361,431	161,842
	1914	14	523	400,613	762,625	1,660,986	898,361
Total	1921	196,267	6,946,570	8,200,324,339	25,336,616,751	43,653,282,833	18,316,666,082
	1919	290,105	9,096,372	10,533,400,340	37,376,380,283	62,418,078,773	25,041,698,490
	1914	275,791	7,036,247	4,078,332,433	14,368,088,831	24,246,434,724	9,878,345,893

[23] Comprises in 1921, "Butter, reworking," 3 establishments; "oakum," 2; "ordnance and accessories," 3; "pulp from fiber other than wood," 4; "tin plate and terneplate," 4: in 1919, "Straw goods, not elsewhere specified," 1 establishment; "whalebone cutting," 1; "wool, carpet," 3. In 1914, "millstones," 2 establishments; "ordnance and accessories," 2; "pulp, from fibers other than wood," 3; "whalebone cutting," 1; "wool, carpet," 6.

[24] Included with "Woolen and worsted goods" in 1919 and 1914.

No. 159.—NUMBER OF ANIMALS INSPECTED AND SLAUGHTERED UNDER FEDERAL INSPECTION, AND ESTIMATED TOTAL NUMBER SLAUGHTERED (INCLUDING FARM ANIMALS): CALENDAR YEARS 1907 TO 1922.[1]

[Source: Bureau of Animal Industry, Department of Agriculture.]

Year.	Cattle.	Calves.	Sheep and lambs.	Goats.	Swine.
1907: U. S. inspected	7,633,365	2,024,387	10,252,070	56,750	32,885,377
Total	13,469,900	6,026,800	13,300,600	161,000	55,737,900
1908: U. S. inspected	7,279,260	1,958,273	10,304,666	42,981	38,643,101
Total	12,845,000	5,829,900	13,368,800	121,900	65,496,800
1909: U. S. inspected	7,713,807	2,189,017	11,350,349	100,659	31,394,896
Total (census)	13,611,422	6,515,976	14,724,699	285,553	53,219,568
1910: U. S. inspected	7,807,600	2,238,587	11,408,020	100,379	26,003,463
Total	13,540,600	6,552,600	14,800,200	284,800	44,073,500
1911: U. S. inspected	7,619,096	2,183,533	14,020,446	38,891	34,232,955
Total	12,958,100	6,264,500	18,189,500	110,300	58,022,000
1912: U. S. inspected	7,252,378	2,277,946	14,979,265	72,894	33,052,727
Total	11,979,000	6,348,000	19,433,400	206,800	56,022,000
1913: U. S. inspected	6,978,361	1,902,414	14,405,759	75,655	34,198,585
Total	11,477,600	5,284,500	18,689,400	214,600	57,973,500
1914: U. S. inspected	6,756,737	1,696,962	14,229,343	175,906	32,531,840
Total	11,004,500	4,661,400	18,460,500	499,000	55,148,100
1915: U. S. inspected	7,153,395	1,818,702	12,211,765	153,346	38,381,228
Total	10,822,100	4,639,500	15,843,000	435,000	65,064,000
1916: U. S. inspected	8,310,458	2,367,303	11,941,366	198,909	43,088,708
Total	12,026,700	5,773,900	15,492,200	564,300	73,035,600
1917: U. S. inspected	10,350,052	3,142,721	9,344,994	165,660	33,909,704
Total	13,723,900	7,030,700	12,123,800	470,000	57,488,800
1918: U. S. inspected	11,828,549	3,456,393	10,319,877	137,725	41,214,250
Total	15,750,449	7,767,193	13,230,577	390,125	65,732,450
1919: U. S. inspected	10,089,984	3,969,019	12,691,117	87,380	41,811,830
Total	13,635,084	9,041,019	16,264,817	247,480	66,680,330
1920: U. S. inspected	8,608,691	4,058,370	10,982,180	42,477	38,018,684
Total	12,847,691	9,223,370	14,079,680	120,477	60,635,884
1921: U. S. inspected	7,608,280	3,807,568	13,004,905	12,133	38,982,356
Total	12,271,280	8,654,568	16,673,005	34,433	62,172,856
1922: U. S. inspected	8,677,807	4,181,569	10,928,941	20,633	43,113,629
Total	13,148,192	8,363,138	14,047,482	58,450	67,050,745

[1] United States inspection of horses at slaughter was commenced in September, 1919, the number so inspected to date being: 1919, 433; 1920, 894; 1921, 2,562 and 1922, 914. A large proportion of this horseflesh is exported.

No. 160.—SUMMARY OF MANUFACTURES: BY STATES AND GEOGRAPHIC DIVISIONS, 1904, 1909, 1914, 1919, AND 1921.[1]

[Source: Reports of the Bureau of the Census, Department of Commerce. Primary horsepower includes primary power generated in manufacturing establishments, plus electric and other power rented from outside sources; it does not include electric power generated by primary units of the establishments reporting. A minus sign (—) indicates decrease.]

Division or State.	Census year.	Number of establishments.	Persons engaged in industry.				Primary horsepower.[2]	Capital.[2]	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Per cent of increase.	
			Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Total.								Wage earners (average number).	Value of products.
								1,000 dollars.	1,000 dollars.	1,000 dollars.	1,000 dollars.	1,000 dollars.	1,000 dollars.		
United States	1921	196,267	172,871	1,137,941	6,946,570	8,257,382			2,563,118	8,200,324	25,336,617	43,653,283	18,316,666	—23.6	—30.1
	1919	290,105	270,037	1,447,227	9,096,372	10,813,636	29,507,117	44,569,594	2,892,372	10,533,400	37,376,380	62,418,079	25,041,698	29.3	157.4
	1914	275,791	264,872	964,217	7,036,247	8,265,426	22,470,872	22,790,980	1,287,917	4,078,332	14,368,089	24,246,435	9,878,346	6.4	17.3
	1909	268,491	273,265	790,267	6,615,046	7,678,578	18,675,376	18,428,270	938,575	3,427,038	12,142,791	20,672,052	8,529,261	21.0	39.7
	1904	216,180	225,673	519,556	5,468,383	6,213,612	13,487,707	12,675,581	574,439	2,610,445	8,500,208	14,793,903	6,293,695	16.0	29.7
Geographic divisions:															
New England	1921	19,057	14,719	132,323	1,071,699	1,218,741			299,357	1,161,291	2,521,634	4,902,508	2,380,874	—20.7	—31.7
	1919	25,528	21,470	162,196	1,351,389	1,535,055	3,796,846	5,671,410	334,296	1,436,437	3,951,908	7,183,071	3,231,163	18.5	145.4
	1914	25,193	22,493	105,512	1,140,233	1,268,238	3,125,629	2,948,040	149,017	628,409	1,657,674	2,926,676	1,269,002	3.5	9.6
	1909	25,351	24,171	86,697	1,101,290	1,212,158	2,715,121	2,503,854	112,284	557,631	1,476,297	2,670,065	1,193,768	17.1	31.8
	1904	22,279	22,698	60,258	940,752	1,023,708	2,125,815	1,870,995	72,799	439,050	1,116,273	2,025,999	909,726	10.4	22.0
Middle Atlantic	1921	67,181	66,195	382,432	2,246,104	2,694,731			885,171	2,768,748	8,148,239	14,588,658	6,440,419	—21.8	—26.5
	1919	88,360	87,166	491,674	2,872,653	3,451,493	8,537,660	15,072,390	1,019,385	3,464,931	11,424,096	19,854,773	8,430,677	21.9	146.5
	1914	85,466	85,012	339,711	2,355,940	2,780,663	6,699,576	7,836,071	457,187	1,370,131	4,680,993	8,053,644	3,373,651	6.7	12.8
	1909	81,315	85,516	283,414	2,207,747	2,576,677	5,531,502	6,505,675	345,266	1,182,568	4,159,498	7,141,761	2,982,263	17.0	36.9
	1904	67,699	74,525	187,289	1,886,565	2,148,379	4,255,264	4,742,357	213,371	926,145	2,961,995	5,218,266	2,256,271	17.6	28.1
East North Central	1921	43,549	32,980	330,215	1,710,939	2,074,134			756,737	2,214,127	6,877,924	11,804,936	4,927,012	—28.6	—33.4
	1919	61,332	49,586	438,632	2,396,618	2,884,836	7,737,462	12,163,595	870,020	2,990,931	10,621,687	17,737,480	7,115,793	42.6	171.1
	1914	59,896	51,857	276,750	1,680,281	2,008,888	5,455,235	5,913,681	376,181	1,072,538	3,795,039	6,542,261	2,747,222	11.0	25.5
	1909	60,013	57,271	215,773	1,513,764	1,786,808	4,382,070	4,547,225	250,508	827,152	3,034,472	5,211,702	2,177,230	23.6	44.6
	1904	51,754	50,531	140,829	1,224,528	1,415,888	3,120,369	2,895,446	151,992	615,643	2,045,537	3,605,368	1,559,831	14.1	26.4
West North Central	1921	17,336	13,830	87,443	384,797	486,070			176,543	476,315	2,379,772	3,506,514	1,126,742	—23.0	—32.4
	1919	29,166	26,859	112,829	499,635	639,323	1,594,112	2,690,626	199,497	546,173	3,778,125	5,187,065	1,408,940	30.9	155.2
	1914	27,199	27,709	75,256	381,595	484,560	1,241,940	1,424,181	93,544	235,471	1,397,841	2,032,192	634,351	1.9	12.7
	1909	27,171	26,683	63,440	374,337	464,460	1,101,990	1,171,572	69,504	204,792	1,241,855	1,803,899	562,044	19.8	40.4
	1904	21,492	21,394	41,032	312,361	374,787	753,700	857,904	41,303	157,843	862,011	1,284,446	422,435	17.4	32.0

South Atlantic	1921	16,436	14,436	70,058	646,207	730,701	.....	.....	149,926	564,943	1,739,932	2,935,309	1,245,377	−20.9	−33.0
	1919	29,976	29,883	84,500	817,212	931,595	2,795,094	3,332,332	169,603	778,027	2,596,265	4,455,152	1,858,887	19.2	164.7
	1914	28,925	29,749	61,415	685,252	776,506	2,274,785	1,644,539	75,019	293,063	1,003,068	1,682,999	679,931	3.4	21.9
	1909	28,088	30,783	52,032	663,015	745,830	1,832,001	1,368,475	57,272	244,378	790,005	1,381,186	591,181	26.9	41.8
	1904	19,564	21,745	34,633	522,611	578,989	1,221,040	930,420	34,201	175,461	550,102	974,028	423,926	14.0	36.8
East South Central	1921	7,254	6,921	30,592	259,256	296,769	.....	.....	65,215	225,321	644,255	1,093,673	449,418	−21.3	−33.4
	1919	14,655	15,620	37,749	329,226	382,595	1,415,577	1,296,449	71,440	298,710	977,825	1,642,391	664,567	21.5	134.4
	1914	14,410	14,986	28,345	264,378	307,709	1,157,367	713,357	35,434	117,987	387,011	700,668	313,657	1.0	11.1
	1909	15,381	17,208	26,485	261,772	305,465	1,036,560	586,276	29,008	102,191	336,163	630,488	294,325	18.3	35.8
	1904	10,311	11,449	17,214	221,229	249,892	753,928	405,361	17,417	83,942	252,156	464,336	212,180	24.8	42.8
West South Central	1921	8,100	6,957	35,192	229,373	271,522	.....	.....	73,557	237,786	1,149,782	1,723,611	573,829	−19.6	−24.3
	1919	13,909	13,437	41,269	285,244	339,950	1,185,989	1,463,838	75,740	293,022	1,547,994	2,277,861	729,868	34.6	183.8
	1914	12,417	12,018	26,310	211,940	250,268	1,010,050	687,819	32,891	116,128	526,907	802,538	275,631	3.6	28.3
	1909	12,339	12,944	23,438	204,520	240,902	873,350	547,739	25,382	97,646	382,131	625,443	243,312	42.6	50.6
	1904	8,279	8,299	14,871	143,470	166,640	555,717	328,906	15,190	67,128	246,832	415,232	168,400	26.5	64.6
Mountain	1921	4,020	3,205	13,891	82,176	99,272	.....	.....	28,541	118,834	396,543	617,563	221,020	−24.8	−33.1
	1919	7,612	6,829	17,402	109,216	133,447	686,579	833,984	32,599	141,901	610,239	922,676	312,437	34.6	110.9
	1914	6,079	5,275	11,762	81,113	98,150	463,478	469,971	16,227	66,358	272,215	437,568	165,353	7.5	20.2
	1909	5,254	4,849	9,578	75,435	89,862	400,766	348,977	12,522	56,870	228,692	363,996	135,304	42.9	42.9
	1904	3,610	3,302	5,720	52,790	61,812	241,825	220,569	7,541	39,046	152,813	254,663	101,850	18.6	32.8
Pacific	1921	13,334	13,628	55,795	316,019	385,442	.....	.....	128,071	432,959	1,478,536	2,430,511	951,975	−27.4	−23.0
	1919	19,567	19,187	60,976	435,179	515,342	1,757,798	2,044,970	119,793	581,269	1,868,242	3,157,610	1,289,368	84.8	195.7
	1914	16,206	15,773	39,156	235,515	290,444	1,109,814	1,153,321	52,417	178,247	647,341	1,067,889	420,548	10.5	26.6
	1909	13,579	13,840	29,410	213,166	256,416	802,016	848,477	36,829	153,810	493,678	843,512	349,834	29.9	52.9
	1904	11,192	11,730	17,710	164,077	193,517	460,049	423,623	20,625	106,187	312,489	551,565	239,076	33.2	51.2
New England—															
Maine	1921	1,761	1,421	6,518	75,710	83,649	.....	.....	14,356	83,429	192,103	339,562	147,459	−14.6	−25.7
	1919	2,995	2,745	7,916	88,651	99,312	547,028	419,158	17,503	94,225	254,569	456,822	202,253	7.9	127.9
	1914	3,378	3,344	5,265	82,149	90,758	487,211	233,844	7,269	43,254	117,653	200,450	82,795	2.7	13.9
	1909	3,546	3,661	4,860	79,955	88,476	459,599	202,260	5,797	37,632	97,101	176,029	78,928	6.7	22.2
	1904	3,145	3,379	3,772	74,958	82,109	343,627	143,708	3,989	32,692	80,042	144,020	63,978	7.2	27.5
New Hampshire	1921	1,122	969	4,530	67,416	72,915	.....	.....	10,843	67,893	139,269	246,346	107,077	−18.8	−39.5
	1919	1,499	1,426	5,832	83,074	90,332	349,138	329,167	13,212	79,326	239,523	407,205	167,677	5.2	122.7
	1914	1,736	1,646	4,374	78,993	85,013	344,093	156,749	5,881	40,642	114,993	182,844	67,851	.4	11.1
	1909	1,961	2,014	3,519	78,658	84,191	293,991	139,990	4,191	36,200	98,157	164,581	66,424	20.3	33.1
	1904	1,618	1,726	2,666	65,366	69,758	218,344	109,495	2,972	27,693	73,216	123,611	50,395	−3.4	14.9
Vermont	1921	1,101	994	2,931	25,767	29,692	.....	.....	6,433	28,063	63,688	113,904	50,216	−23.1	−32.2
	1919	1,790	1,804	3,550	33,491	38,845	185,095	134,314	7,345	34,084	95,173	168,108	72,935	2.4	118.3
	1914	1,772	1,787	2,726	32,704	37,217	172,637	79,847	3,385	18,617	42,706	76,991	34,285	−3.2	12.7
	1909	1,958	2,113	2,679	33,788	38,580	159,445	73,470	2,803	17,272	34,823	68,310	33,487	2.1	8.3
	1904	1,699	1,856	2,053	33,106	37,015	140,616	62,659	2,103	15,221	32,430	63,084	30,654	17.5	22.5

[1] See note 1, Table No. 157.
[2] Figures not available for 1921.

No. 160.—SUMMARY OF MANUFACTURES: BY STATES AND GEOGRAPHIC DIVISIONS, 1904, 1909, 1914, 1919, AND 1921—Continued.

Division or State.	Census year.	Number of establishments.	Persons engaged in industry. Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Total.	Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Per cent of increase. Wage earners (average number).	Value of products.
Geographic divisions—Continued.															
New England—Continued.								1,000 dollars.	1,000 dollars.	1,000 dollars.	1,000 dollars.	1,000 dollars.	1,000 dollars.		
Massachusetts	1921	9,994	7,257	74,473	579,071	660,801			168,891	641,361	1,441,035	2,849,414	1,408,379	−18.9	−29.0
	1919	11,906	9,451	89,234	713,836	812,521	1,729,878	2,939,837	183,435	766,623	2,260,713	4,011,182	1,750,468	17.7	144.4
	1914	12,013	10,710	59,234	606,698	676,642	1,396,722	1,548,961	83,715	341,310	931,384	1,641,373	709,989	3.8	10.1
	1909	11,684	11,194	48,646	584,559	644,399	1,175,071	1,279,687	63,279	301,174	830,765	1,490,529	659,764	19.7	32.6
	1904	10,723	11,258	32,824	488,399	532,481	938,007	965,949	39,654	232,389	626,411	1,124,092	497,681	11.4	23.8
Rhode Island	1921	1,759	1,496	11,789	112,745	126,030			27,388	119,414	277,693	517,118	239,425	−19.3	−30.8
	1919	2,466	2,124	14,223	139,665	156,012	321,016	594,337	13,014	137,495	415,989	747,323	331,334	23.1	167.3
	1914	2,190	1,883	8,801	113,425	124,109	269,854	308,445	13,256	59,366	162,425	279,546	117,121	−.1	−.3
	1909	1,951	1,721	7,382	113,538	122,641	226,740	290,901	10,577	55,234	158,192	280,344	122,152	16.7	38.7
	1904	1,617	1,561	5,420	97,318	104,299	181,017	215,901	7,041	43,113	112,872	202,110	89,238	10.3	22.1
Connecticut	1921	3,320	2,582	32,082	210,990	245,654			71,446	221,126	407,846	836,164	428,318	−27.9	−39.9
	1919	4,872	3,920	41,441	292,672	338,033	664,691	1,232,324	81,785	324,682	685,937	1,392,432	706,494	29.3	155.3
	1914	4,104	3,123	25,112	226,264	254,499	453,812	620,194	35,511	125,220	288,511	545,472	256,961	7.3	11.3
	1909	4,251	3,468	19,611	210,792	233,871	400,275	517,546	25,637	110,119	257,259	490,272	233,013	16.1	32.8
	1904	3,477	2,918	13,523	181,605	198,046	304,204	373,283	17,040	87,942	191,302	369,082	177,780	13.7	17.1
Middle Atlantic—															
New York	1921	38,107	39,950	195,472	1,000,414	1,235,836			437,493	1,301,421	3,703,146	6,973,506	3,270,360	−18.5	−21.4
	1919	49,330	49,484	247,147	1,228,130	1,524,761	2,936,530	6,012,083	513,548	1,458,207	4,943,214	8,867,005	3,923,791	16.1	132.4
	1914	48,203	48,636	182,605	1,057,857	1,289,098	2,356,655	3,334,278	242,729	631,042	2,108,607	3,814,661	1,706,054	5.4	13.2
	1909	44,935	47,569	151,691	1,003,981	1,203,241	1,997,662	2,779,497	186,032	557,231	1,856,904	3,369,490	1,512,586	17.2	35.4
	1904	37,194	41,766	98,012	856,947	996,725	1,516,592	2,031,460	111,145	430,015	1,348,603	2,488,346	1,139,743	17.9	32.9
New Jersey	1921	8,784	7,193	59,898	381,773	448,864			147,302	460,471	1,484,334	2,556,143	1,071,809	−24.9	−30.4
	1919	11,057	10,249	84,135	508,686	603,070	1,146,744	2,835,577	171,074	600,658	2,270,473	3,672,065	1,401,592	36.2	161.1
	1914	9,742	8,342	49,056	373,605	431,003	793,063	1,352,382	69,848	211,136	883,465	1,406,633	523,168	14.5	22.8
	1909	8,817	8,204	36,838	326,223	371,265	612,293	977,172	48,337	169,710	720,034	1,145,529	425,495	22.5	47.9
	1904	7,010	6,730	23,196	266,336	296,262	436,274	715,060	28,957	128,169	470,449	774,369	303,920	24.5	40.0

Pennsylvania	1921	20,290	19,052	127,062	863,917	1,010,031			300,376	1,006,856	2,960,759	5,059,009	2,098,250	−23.9	−30.8
	1919	27,973	27,433	160,392	1,135,837	1,323,662	4,454,386	6,224,730	234,763	1,406,066	4,210,409	7,315,763	3,105,294	22.9	158.3
	1914	27,521	28,034	108,050	924,478	1,060,562	3,549,858	3,149,411	144,610	527,953	1,688,921	2,832,349	1,143,428	5.3	7.8
	1909	27,563	29,743	94,885	877,543	1,002,171	2,921,547	2,749,006	110,897	455,627	1,582,560	2,626,742	1,044,182	15.0	34.3
	1904	23,495	26,029	66,081	763,282	855,392	2,302,398	1,995,837	73,269	367,961	1,142,943	1,955,551	812,608	15.0	18.5
East North Central—															
Ohio	1921	11,479	8,980	92,102	494,288	595,370			219,327	627,033	1,919,090	3,300,693	1,381,603	−32.4	−35.3
	1919	16,125	12,823	139,362	730,733	882,918	2,897,497	3,748,744	273,714	944,652	2,911,948	5,100,309	2,188,361	43.2	186.1
	1914	15,658	13,624	82,748	510,435	606,807	1,993,080	1,677,552	105,265	317,924	1,020,782	1,782,808	762,026	14.2	24.0
	1909	15,138	14,719	61,351	446,934	523,004	1,583,155	1,300,733	72,147	245,450	824,202	1,437,936	613,734	22.7	49.7
	1904	13,785	13,657	39,991	364,298	417,946	1,116,932	856,989	43,435	182,429	527,637	960,812	433,175	18.2	28.3
Indiana	1921	5,109	4,101	36,400	206,534	247,035			78,462	251,456	826,398	1,377,772	551,374	−25.6	−29.0
	1919	7,916	6,768	45,797	277,580	330,145	1,095,912	1,335,714	85,116	317,043	1,174,951	1,939,753	723,803	40.5	159.8
	1914	8,022	7,229	28,538	197,503	233,270	709,703	668,863	36,596	119,258	423,857	730,795	306,938	5.6	26.2
	1909	7,969	7,674	23,605	186,984	218,263	633,377	508,717	26,305	95,510	334,375	579,075	244,700	21.3	47.0
	1904	7,044	7,191	14,862	154,174	176,227	380,758	312,071	15,029	72,058	220,507	393,954	173,447	10.9	16.9
Illinois	1921	13,952	10,627	117,822	513,876	642,325			258,429	701,529	2,098,750	3,705,330	1,606,630	−21.3	−31.7
	1919	18,593	15,282	136,409	653,114	804,805	1,660,918	3,366,453	274,616	801,087	3,488,270	5,425,245	1,936,974	28.8	141.4
	1914	18,388	15,854	95,130	506,943	617,927	1,305,930	1,943,836	128,478	340,910	1,340,183	2,247,323	907,140	8.8	17.1
	1909	18,026	17,357	77,923	465,764	561,044	1,013,071	1,548,171	91,449	273,319	1,160,927	1,919,277	758,350	22.8	36.1
	1904	14,921	13,990	54,521	379,436	447,947	741,555	975,845	60,560	208,405	840,057	1,410,342	570,285	14.0	25.8
Michigan	1921	5,718	4,553	45,704	304,471	354,728			118,352	419,969	1,305,745	2,206,230	900,485	−35.4	−36.3
	1919	8,305	6,762	71,065	471,242	549,069	1,202,128	2,340,954	145,035	639,708	1,919,243	3,466,188	1,546,246	73.8	219.1
	1914	8,724	7,725	41,796	271,090	320,611	764,183	869,143	68,273	182,252	592,801	1,086,162	493,361	17.1	58.5
	1909	9,159	8,965	30,607	231,499	271,071	598,288	583,947	34,870	118,968	368,612	685,109	316,497	32.1	59.7
	1904	7,446	7,732	17,235	175,229	200,196	440,890	337,894	17,470	81,279	230,081	429,120	199,039	12.5	34.2
Wisconsin	1921	7,291	4,719	38,187	191,770	234,676			82,167	214,140	727,941	1,214,861	486,920	−27.3	−34.2
	1919	10,393	7,951	45,999	263,949	317,899	881,007	1,371,729	87,538	288,441	1,127,275	1,846,984	719,709	35.8	165.7
	1914	9,104	7,425	20,538	194,310	230,273	682,339	754,287	37,569	112,193	417,415	695,172	277,757	6.4	17.8
	1909	9,721	8,556	22,287	182,583	213,426	554,179	605,657	25,737	93,905	346,356	590,305	243,949	20.6	43.6
	1904	8,558	7,961	14,220	151,391	173,572	440,234	412,647	15,498	71,472	227,255	411,140	183,885	10.1	25.8
West North Central—															
Minnesota	1921	4,089	2,683	18,729	85,804	107,216			37,789	107,250	585,473	850,447	264,974	−25.8	−30.2
	1919	6,225	5,128	26,927	115,623	147,678	473,957	690,386	45,360	127,107	883,090	1,218,130	335,040	24.5	146.9
	1914	5,974	5,233	17,623	92,834	115,690	358,737	354,434	22,084	58,507	336,849	493,354	156,505	9.5	20.5
	1909	5,561	5,376	14,263	84,767	104,406	297,670	275,416	15,451	47,471	281,622	409,420	127,798	21.7	33.0
	1904	4,756	4,524	9,141	69,636	83,301	220,934	184,903	9,033	35,843	210,554	307,858	97,304	7.9	37.6
Iowa	1921	3,527	3,095	14,007	62,274	79,376			23,888	78,546	338,704	521,446	182,742	−22.7	−30.1
	1919	5,683	5,393	19,495	80,551	105,439	242,946	403,206	34,044	90,117	520,241	745,473	225,232	27.6	13.9
	1914	5,614	5,421	14,097	63,113	82,631	190,049	233,129	16,311	39,860	205,451	310,750	105,299	2.4	19.9
	1909	5,528	5,323	11,402	61,635	78,360	155,384	171,219	10,972	32,542	170,707	259,238	88,531	24.6	61.4
	1904	4,735	4,758	7,122	49,481	61,361	118,065	111,428	5,948	22,997	102,844	160,572	57,728	11.4	20.8

No. 160.—SUMMARY OF MANUFACTURES: BY STATES AND GEOGRAPHIC DIVISIONS, 1904, 1909, 1914, 1919, AND 1921—Continued.

Division or State.	Census year.	Number of establishments.	Persons engaged in industry.				Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Per cent of increase.	
			Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Total.								Wage earners (average number).	Value of products.
Geographic divisions—Continued.								1,000 dollars.	1,000 dollars.	1,000 dollars.	1,000 dollars.	1,000 dollars.	1,000 dollars.		
West North Central—Continued.															
Missouri	1921	5,442	4,229	34,055	156,384	194,668			70,611	182,897	728,179	1,162,006	433,827	−19.8	−27.1
	1919	8,592	7,676	42,226	195,037	244,039	477,303	938,761	79,045	196,515	1,056,457	1,594,208	537,751	28.2	149.9
	1914	8,386	7,698	28,386	152,182	188,266	391,385	522,548	37,297	89,197	388,715	637,952	249,237	−.5	11.1
	1909	8,375	8,226	24,486	152,993	185,705	340,467	444,343	28,994	80,843	354,411	574,111	219,700	14.9	30.6
	1904	6,464	6,299	17,119	133,167	156,585	247,861	379,369	19,002	66,644	252,258	439,549	187,291	23.6	39.0
North Dakota	1921	388	329	693	3,107	4,129			1,347	4,669	26,265	36,358	10,093	−30.5	−36.6
	1919	894	774	902	4,472	6,148	17,791	24,550	1,434	5,401	44,490	57,374	12,884	36.5	171.3
	1914	699	603	749	3,275	4,627	14,062	14,213	886	2,416	14,484	21,147	6,663	17.4	10.5
	1909	752	723	606	2,789	4,148	13,196	11,585	629	1,787	13,674	19,137	5,463	58.9	87.3
	1904	507	494	296	1,755	2,545	9,873	5,704	258	1,032	7,096	10,218	3,122	29.2	63.2
South Dakota	1921	574	504	1,036	4,635	6,175			1,744	6,350	26,847	41,558	14,711	−27.4	−33.2
	1919	1,414	1,410	1,242	6,382	9,034	22,191	30,933	2,076	7,905	42,986	62,171	19,185	68.5	157.6
	1914	898	762	796	3,788	5,346	16,324	15,060	835	2,628	17,079	24,139	7,060	5.2	35.1
	1909	1,020	942	682	3,602	5,226	17,666	13,018	616	2,297	11,476	17,870	6,394	44.5	36.6
	1904	686	649	441	2,492	3,582	11,154	7,585	294	1,422	8,697	13,086	4,389	12.0	37.3
Nebraska	1921	1,390	1,242	7,700	27,655	36,597			14,120	37,395	246,177	333,565	87,388	−24.3	−44.0
	1919	2,384	2,916	9,639	36,521	49,076	125,814	245,257	15,742	46,067	480,774	596,042	115,268	45.2	169.0
	1914	2,492	2,472	6,079	25,144	33,695	89,285	121,008	7,118	16,893	174,114	221,616	47,502	3.3	11.4
	1909	2,500	2,522	5,108	24,336	31,966	64,466	99,901	5,491	13,948	151,081	199,019	47,938	20.1	28.5
	1904	1,819	1,904	3,192	20,260	25,356	46,372	80,235	3,075	11,022	124,052	154,918	30,866	8.5	18.9
Kansas	1921	1,926	1,748	11,223	44,938	57,909			22,044	59,208	428,127	561,134	133,007	−26.4	−38.6
	1919	3,474	3,562	12,398	61,049	77,009	234,110	357,534	21,796	73,060	750,088	913,667	163,579	48.0	182.7
	1914	3,136	3,247	7,526	41,259	52,032	179,146	163,790	9,013	25,970	261,148	323,234	62,086	−6.7	−.6
	1909	3,435	3,571	6,863	44,215	54,649	213,141	156,090	7,351	25,904	258,884	325,104	66,220	24.3	64.0
	1904	2,475	2,766	3,721	35,570	42,057	99,441	88,680	3,693	18,883	156,510	198,245	41,735	31.2	28.7
South Atlantic—															
Delaware	1921	460	376	2,729	17,754	20,859			6,232	19,5965	50,118	86,756	36,638	−38.9	−47.4
	1919	668	593	3,344	29,035	32,972	85,150	148,208	7,709	37,26	85,433	165,073	79,640	31.1	194.6
	1914	808	735	2,643	22,155	25,533	64,403	69,324	3,400	11,382	31,649	56,035	24,386	4.3	6.0
	1909	726	722	2,024	21,238	23,984	52,779	60,906	2,322	10,296	30,938	52,840	21,902	15.0	28.4
	1904	631	641	1,451	18,475	20,567	49,490	50,926	1,629	8,158	24,884	41,160	16,276	−10.2	−.4

Maryland	1921	3,128	3,120	19,048	107,085	129,253	.....	.....	39,570	110,485	386,868	637,574	250,706	−23.7	−27.0
	1919	4,937	5,129	20,398	140,342	165,869	406,768	619,607	42,004	147,867	549,347	873,945	324,597	25.8	131.4
	1914	4,797	5,005	14,801	111,585	131,391	263,753	293,211	18,009	53,792	238,972	377,749	138,777	3.4	19.7
	1909	4,837	5,376	12,192	107,921	125,489	218,244	251,227	13,617	45,436	199,049	315,669	116,620	14.6	29.7
	1904	3,852	4,505	8,624	94,174	107,303	165,449	201,878	8,844	36,144	150,024	243,376	93,352	([3])	15.3
District of Columbia	1921	490	397	3,012	8,640	12,049	.....	.....	5,993	12,955	30,260	57,639	37,379	−17.6	−1.7
	1919	595	515	3,104	10,482	14,101	33,079	63,008	5,667	13,189	30,940	68,827	37,886	18.1	137.5
	1914	514	435	2,011	8,877	11,323	24,775	40,810	2,537	6,069	12,239	28,978	16,739	15.2	14.6
	1909	518	475	1,576	7,707	9,758	16,563	30,553	1,846	4,989	10,247	25,289	15,042	22.4	37.7
	1904	482	473	1,006	6,299	7,778	12,592	20,200	1,207	3,659	7,732	18,359	10,627	2.3	11.8
Virginia	1921	2,570	2,079	9,533	88,555	100,167	.....	.....	20,877	85,063	268,940	454,261	185,321	−25.8	−29.4
	1919	5,603	5,900	13,926	119,352	139,178	419,946	463,644	25,908	120,006	371,541	643,512	271,971	16.1	120.7
	1914	5,508	6,125	9,164	102,820	118,109	337,567	261,501	11,245	44,873	155,320	264,039	108,719	−2.7	20.1
	1909	5,685	6,570	8,551	105,676	120,797	283,928	216,392	9,101	38,154	125,583	219,794	94,211	31.6	47.7
	1904	3,187	3,643	4,970	80,285	88,898	176,998	147,989	4,875	27,943	83,649	148,357	65,208	21.2	37.0
West Virginia	1921	1,550	1,110	7,212	60,536	68,858	.....	.....	15,682	78,549	170,877	310,423	139,546	−27.1	−34.2
	1919	2,785	2,524	8,128	83,086	93,688	328,653	339,190	17,686	101,840	270,941	471,971	201,030	16.8	143.9
	1914	2,749	2,559	5,716	71,078	79,353	278,504	175,995	7,594	43,784	110,033	193,512	83,479	11.2	19.5
	1909	2,586	2,599	4,971	63,893	71,463	217,496	150,922	5,710	33,000	92,878	161,949	69,071	46.0	63.5
	1904	2,109	2,230	2,892	43,758	48,880	138,578	86,821	2,899	21,153	54,419	99,041	44,622	32.3	47.8
North Carolina	1921	2,602	2,021	9,899	135,833	147,753	.....	.....	22,363	94,235	379,965	665,118	285,153	−13.8	−29.5
	1919	5,999	6,076	11,688	157,659	175,423	549,878	669,144	23,774	126,680	526,906	943,808	416,902	15.2	226.1
	1914	5,507	5,950	8,541	136,844	151,335	508,085	253,842	10,244	46,038	169,942	289,412	119,470	12.7	33.6
	1909	4,931	5,451	6,529	121,473	133,453	378,556	217,185	6,903	34,355	121,861	216,656	94,795	42.3	52.0
	1904	3,272	3,731	4,072	85,339	93,142	216,622	141,001	3,795	21,375	79,268	142,521	63,253	18.0	67.1
South Carolina	1921	1,107	876	4,171	76,251	81,298	.....	.....	9,478	51,410	141,902	236,421	94,519	−4.0	−38.0
	1919	2,004	1,754	5,156	79,450	86,360	395,556	374,538	10,513	62,565	227,986	381,483	153,467	10.6	174.6
	1914	1,885	1,815	3,964	71,824	77,603	340,224	203,211	4,878	24,173	91,009	138,891	47,882	−1.7	22.7
	1909	1,854	1,737	3,257	73,046	78,040	276,378	173,221	3,756	20,361	66,351	113,236	46,885	22.9	42.7
	1904	1,399	1,241	2,389	59,441	63,071	197,479	113,422	2,355	13,869	49,969	79,376	29,407	26.4	48.8
Georgia	1921	2,809	2,580	9,700	98,264	110,544	.....	.....	20,422	69,916	243,939	381,296	137,357	−20.4	−45.0
	1919	4,803	4,776	12,795	123,441	141,012	436,608	448,700	25,505	101,180	440,490	693,237	252,747	18.2	173.7
	1914	4,639	4,443	9,661	104,461	118,565	357,403	258,326	11,822	38,128	160,089	253,271	93,182	−.1	24.8
	1909	4,792	5,141	8,307	104,588	118,036	298,241	202,778	9,062	34,805	116,970	202,863	85,893	12.8	34.3
	1904	3,219	3,512	6,104	92,749	102,365	220,419	135,211	5,927	27,393	83,625	151,040	67,415	11.3	59.8
Florida	1921	1,720	1,877	4,754	53,289	59,920	.....	.....	9,309	42,734	67,063	145,821	78,758	−28.4	−31.6
	1919	2,382	2,616	5,955	74,415	82,896	139,456	206,294	10,835	67,433	92,680	213,327	120,647	33.8	163.0
	1914	2,518	2,682	4,914	55,608	63,204	100,071	88,319	5,290	24,822	33,816	81,112	47,296	−3.3	11.3
	1909	2,159	2,712	4,625	57,473	64,810	89,816	65,291	4,955	22,982	26,128	72,890	46,762	36.5	44.9
	1904	1,413	1,769	3,125	42,091	46,985	43,413	32,972	2,670	15,767	16,532	50,298	33,766	18.7	47.1

[3] Less than one-tenth of 1 per cent.

No. 160.—Summary of Manufactures: By States and Geographic Divisions, 1904, 1909, 1914, 1919, and 1921—Continued.

Division or State.	Census year.	Number of establishments.	Persons engaged in industry.				Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Per cent of increase.	
			Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Total.								Wage earners (average number).	Value of products.
Geographic divisions—Continued.								1,000 dollars.	1,000 dollars.	1,000 dollars.	1,000 dollars.	1,000 dollars.	1,000 dollars.		
East South Central—															
Kentucky	1921	2,038	1,942	8,956	58,840	69,738			18,642	62,636	173,662	302,742	129,080	−15.1	−23.5
	1919	3,957	4,003	10,611	69,340	83,954	247,573	276,535	19,678	67,034	235,716	395,660	159,945	7.4	71.8
	1914	4,184	4,148	9,131	64,586	77,865	238,314	193,423	11,323	31,830	114,829	230,249	115,420	−1.3	2.9
	1909	4,776	5,050	8,610	65,400	79,060	230,224	172,779	9,603	27,888	111,779	223,754	111,975	9.4	40.1
	1904	3,734	4,108	5,853	59,794	69,755	174,625	147,282	5,871	24,439	86,545	159,754	73,209	15.6	26.3
Tennessee	1921	2,245	1,979	9,865	75,446	87,290			21,581	65,741	225,951	374,038	148,087	−20.7	−32.8
	1919	4,589	4,892	13,241	95,167	113,300	338,814	410,203	25,268	81,355	344,767	556,253	211,486	28.0	162.3
	1914	4,775	5,142	8,999	74,373	88,514	286,857	211,423	11,829	33,083	123,430	212,071	88,641	.7	17.7
	1909	4,609	5,415	8,417	73,840	87,672	242,277	167,924	9,186	28,251	104,016	180,217	76,201	21.9	30.6
	1904	3,175	3,805	4,910	60,572	69,287	175,780	102,440	5,081	22,806	79,352	137,961	58,609	31.8	48.7
Alabama	1921	1,855	1,871	8,519	82,748	93,138			18,489	66,747	186,408	302,809	116,401	−22.8	−38.5
	1919	3,654	3,914	9,816	107,159	120,889	628,376	455,593	18,567	99,066	30,664	492,731	192,067	36.1	175.6
	1914	3,242	3,310	7,026	78,717	89,053	445,762	227,505	8,451	33,897	107,411	178,798	71,386	9.1	22.5
	1909	3,398	3,769	6,055	72,148	81,972	357,837	173,180	6,565	27,284	83,442	145,962	62,520	16.0	33.7
	1904	1,882	1,948	3,763	62,173	67,884	293,185	105,383	3,867	21,878	60,458	109,170	48,712	18.0	51.4
Mississippi	1921	1,116	1,129	3,252	42,222	46,603			6,503	30,197	58,234	114,084	55,850	−26.6	−42.3
	1919	2,455	2,811	4,081	57,560	64,452	200,814	154,117	7,927	51,256	96,678	197,747	101,069	23.2	148.6
	1914	2,209	2,386	3,189	46,702	52,277	186,434	81,005	3,831	19,177	41,340	79,550	38,210	− 7.3	−1.3
	1909	2,598	2,974	3,403	50,384	56,761	206,222	72,393	3,654	18,768	36,926	80,555	43,629	30.2	40.2
	1904	1,520	1,588	2,688	38,690	42,966	110,338	50,256	2,598	14,819	25,801	57,451	31,650	44.4	70.4
West South Central—															
Arkansas	1921	1,289	1,242	3,996	33,431	38,669			7,954	27,804	64,677	119,029	54,352	−33.1	−40.7
	1919	3,123	3,682	4,566	49,954	58,202	214,194	138,818	9,329	47,186	102,813	200,813	97,500	19.0	138.6
	1914	2,604	2,917	3,544	41,979	48,440	177,208	77,162	4,163	20,752	44,907	83,941	39,034	−6.7	12.0
	1909	2,925	3,455	3,293	44,982	51,730	173,088	70,174	3,461	19,113	34,935	74,916	39,981	35.9	39.1
	1904	1,907	2,140	2,328	32,089	37,557	109,509	46,306	2,310	14,544	21,799	53,865	32,066	5.0	35.0
Louisiana	1921	1,851	1,322	10,611	85,170	97,103			22,475	76,761	311,589	479,100	167,511	−13.3	−29.1
	1919	2,617	2,042	12,216	98,265	112,523	338,605	462,209	22,946	94,406	431,404	676,190	244,786	26.5	164.8
	1914	2,211	1,850	8,499	77,665	88,014	355,193	261,635	11,168	39,544	157,886	255,313	97,427	2.0	14.0
	1909	2,516	2,295	8,103	76,165	86,563	346,652	221,816	9,008	33,386	134,865	223,949	89,084	36.4	20.2
	1904	2,091	1,899	5,977	55,859	63,735	251,963	150,811	6,044	25,316	117,035	186,380	69,345	36.6	67.3

Oklahoma	1921	1,398	1,262	5,443	22,241	28,946	.....	.....	11,801	29,532	203,803	283,764	79,961	−24.6	−29.3
	1919	2,445	2,320	6,491	29,503	38,314	139,983	277,034	11,961	35,026	312,606	401,363	88,757	69.1	293.5
	1914	2,518	2,464	2,793	17,443	22,700	97,308	65,478	3,202	11,011	70,970	102,006	31,036	32.7	90.0
	1909	2,310	2,698	2,193	13,143	18,034	71,139	38,873	2,045	7,240	34,153	53,682	19,529	140.9	119.5
	[4] 1904	1,123	1,187	813	5,456	7,456	29,608	16,124	718	2,799	16,394	24,459	8,065	129.1	200.7
Texas	1921	3,566	3,132	15,157	88,707	106,996	.....	.....	31,370	103,946	570,042	842,438	272,396	−17.5	−15.8
	1919	5,724	5,393	17,996	107,522	130,911	443,207	585,776	31,504	116,404	701,171	999,996	298,825	43.6	176.8
	1914	5,084	4,787	11,474	74,853	91,114	335,791	283,544	14,358	44,821	253,144	361,279	108,135	6.6	32.4
	1909	4,588	4,496	9,849	70,230	84,575	282,471	216,876	10,868	37,907	178,178	272,896	94,718	43.1	81.3
	1904	3,158	3,073	5,753	49,066	57,892	164,637	115,665	6,118	24,469	91,604	150,528	58,924	27.1	62.0
Mountain—															
Montana	1921	571	435	1,953	11,384	13,772	.....	.....	4,231	16,791	49,166	80,771	31,605	−33.7	−51.5
	1919	1,290	1,200	2,332	17,160	20,692	153,491	137,476	4,741	24,743	122,152	166,665	44,513	25.2	97.4
	1914	939	832	1,827	13,704	16,363	91,671	79,246	2,779	13,001	46,744	84,446	37,702	17.6	15.2
	1909	677	659	1,380	11,655	13,694	90,402	44,588	2,054	10,901	49,180	73,272	24,092	30.1	10.3
	1904	382	334	905	8,957	10,196	46,736	52,590	1,506	8,652	40,930	66,415	25,485	−9.1	25.9
Idaho	1921	485	445	1,196	10,783	12,424	.....	.....	2,627	15,183	36,058	57,068	21,010	−22.5	−29.1
	1919	922	851	1,500	13,917	16,268	73,876	96,062	2,702	18,548	43,949	80,511	36,562	56.0	183.0
	1914	698	664	946	8,919	10,529	50,326	44,960	1,240	7,491	14,892	28,454	13,562	8.5	27.0
	1909	725	831	858	8,220	9,909	42,804	32,477	984	5,498	9,920	22,400	12,480	168.5	155.4
	1904	364	371	359	3,061	3,791	16,987	9,689	379	2,059	4,069	8,769	4,700	97.2	192.2
Wyoming	1921	254	203	880	7,254	8,337	.....	.....	1,632	13,890	48,320	80,247	31,927	9.3	−1.5
	1919	576	567	894	6,634	8,095	17,869	82,288	1,702	11,189	42,251	81,445	39,195	121.9	625.7
	1914	337	293	414	2,989	3,696	10,004	29,270	531	2,312	5,559	11,223	5,664	4.3	79.6
	1909	268	263	263	2,867	3,393	7,628	6,195	311	2,081	2,608	6,249	3,641	56.3	77.4
	1904	169	150	179	1,834	2,163	3,604	2,696	206	1,261	1,301	3,523	2,222	−11.0	7.8
Colorado	1921	1,491	1,152	5,619	27,625	34,396	.....	.....	11,479	38,612	147,248	221,324	74,076	−21.6	−19.7
	1919	2,631	2,234	7,241	35,254	44,729	206,309	243,827	13,046	42,975	174,870	275,622	100,752	29.2	101.4
	1914	2,126	1,716	4,721	27,278	33,715	162,828	181,776	6,368	20,200	89,756	136,839	47,083	−2.8	5.0
	1909	2,034	1,722	4,326	28,067	34,115	154,615	162,668	5,648	19,912	80,491	130,044	49,553	38.7	29.9
	1904	1,606	1,398	2,677	21,813	25,888	124,907	107,664	3,549	15,100	63,114	100,144	37,030	11.9	12.4
New Mexico	1921	194	157	449	4,477	5,083	.....	.....	909	4,880	6,159	13,897	7,738	−21.9	−22.2
	1919	387	336	574	5,736	6,646	17,260	15,226	1,027	6,658	7,727	17,857	10,129	51.9	91.6
	1914	368	325	493	3,776	4,594	12,468	8,984	577	2,695	4,430	9,320	4,890	−8.9	18.0
	1909	313	288	335	4,143	4,766	15,465	7,743	383	2,591	3,261	7,898	4,637	19.1	38.4
	1904	199	189	224	3,478	3,891	5,948	4,638	264	2,153	2,236	5,706	3,470	39.7	40.5
Arizona	1921	269	190	965	4,774	5,923	.....	.....	2,036	6,809	26,495	39,110	12,615	−44.0	−67.6
	1919	480	416	1,403	8,523	10,347	103,958	101,486	3,112	12,015	92,648	120,769	28,124	23.6	88.4
	1914	322	267	849	6,898	8,014	54,697	40,300	1,418	6,229	39,283	64,090	24,807	7.1	27.5
	1909	311	261	500	6,441	7,202	39,140	32,873	798	5,505	33,600	50,257	16,657	34.4	79.0
	1904	169	133	291	4,793	5,217	21,412	14,396	472	3,969	14,595	28,083	13,488	53.3	37.4

[4] Includes Indian Territory.

No. 160.—SUMMARY OF MANUFACTURES: BY STATES AND GEOGRAPHIC DIVISIONS, 1904, 1909, 1914, 1919, AND 1921—Continued.

Division or State.	Census year.	Number of establishments.	Persons engaged in industry.				Primary horsepower.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	Per cent of increase.	
			Proprietors and firm members.	Salaried employees.	Wage earners (average number).	Total.								Wage earners (average number).	Value of products.
Geographic divisions—Continued.															
Mountain—Continued.								1,000 dollars.	1,000 dollars.	1,000 dollars.	1,000 dollars.	1,000 dollars.	1,000 dollars.		
Utah	1921	645	531	2,514	13,310	16,355			4,889	18,392	74,872	111,055	36,183	−29.5	−29.2
	1919	1,160	1,089	3,150	18,868	23,107	93,942	140,785	5,680	21,455	110,154	156,933	46,779	35.8	80.2
	1914	1,109	999	2,233	13,894	17,126	59,536	71,843	2,844	10,852	62,233	87,112	24,879	17.9	40.5
	1909	749	688	1,660	11,785	14,133	42,947	52,627	1,966	8,400	41,266	61,989	20,723	46.4	59.2
	1904	606	619	979	8,052	9,650	19,397	26,004	1,039	5,158	24,940	38,927	13,987	48.8	116.5
Nevada	1921	107	91	300	2,393	2,784			695	4,020	7,896	13,371	5,475	−23.3	−41.5
	1919	166	136	308	3,119	3,563	19,874	16,835	588	4,318	16,491	22,874	6,384	−14.7	42.2
	1914	180	179	279	3,655	4,113	18,748	13,591	471	3,578	9,317	16,083	6,766	61.9	35.2
	1909	177	137	256	2,257	2,650	7,765	9,806	378	1,982	8,366	11,887	3,521	181.4	283.9
	1904	115	108	106	802	1,016	2,834	2,892	126	694	1,628	3,096	1,468	59.1	145.5
Pacific—															
Washington	1921	2,908	2,882	9,972	77,518	90,372			22,275	99,191	259,685	448,165	188,480	−41.7	−44.6
	1919	4,918	4,195	13,356	132,928	150,479	687,436	574,235	30,374	194,968	443,178	809,623	366,445	97.8	230.0
	1914	3,829	3,155	8,088	67,205	78,448	389,567	277,715	11,504	51,703	136,609	245,326	108,717	−2.8	11.1
	1909	3,674	3,264	7,734	69,120	80,118	297,897	222,261	9,827	49,766	117,888	220,746	102,858	52.9	71.4
	1904	2,751	2,602	3,658	45,199	51,459	168,342	96,953	4,093	30,087	66,166	128,822	62,656	43.4	81.9
Oregon	1921	1,730	1,514	5,670	40,167	47,351			12,266	49,395	123,670	223,664	99,994	−31.4	−39.0
	1919	2,707	2,540	6,906	58,559	68,005	304,346	237,255	13,999	81,094	206,206	366,783	160,577	103.1	234.2
	1914	2,320	2,189	4,431	28,829	35,449	214,222	139,500	5,683	20,932	63,258	109,762	46,504	.3	18.0
	1909	2,246	2,499	3,473	28,750	34,722	175,019	89,082	4,047	19,902	50,552	93,005	42,453	55.2	67.5
	1904	1,602	1,726	1,769	18,523	22,018	81,348	44,023	2,133	11,443	30,597	55,525	24,928	28.1	51.7
California	1921	8,096	9,232	40,153	198,334	247,719			93,530	284,373	1,095,181	1,758,682	663,501	−18.6	−11.2
	1919	11,742	12,452	40,714	243,692	296,858	766,016	1,233,480	75,420	305,207	1,218,859	1,981,205	762,346	74.7	177.9
	1914	10,057	10,429	26,637	139,481	176,547	491,025	736,105	35,230	105,613	447,475	712,801	265,326	21.0	34.5
	1909	7,659	8,077	18,203	115,296	141,576	329,100	537,134	22,955	84,142	325,238	529,761	204,523	14.9	44.3
	1904	6,839	7,402	12,283	100,355	120,040	210,359	282,647	14,399	64,657	215,726	367,218	151,492	30.0	42.7

No. 161.—MANUFACTURED DAIRY PRODUCTS AND OLEOMARGARINE: NUMBER OF FACTORIES REPORTING AND AMOUNTS MANUFACTURED UNDER SPECIFIED HEADS, CALENDAR YEARS 1919 TO 1922.

[From Weather, Crops, and Markets, Department of Agriculture.]

Manufactured product.	Number of factories reporting.				Amount manufactured.			
	1919	1920	1921	1922	1919	1920	1921	1922
					1,000 pounds.	*1,000 pounds.*	*1,000 pounds.*	*1,000 pounds.*
Creamery butter	3,742	3,447	3,463	3,497	868,125	863,577	1,054,938	1,153,515
Whey butter (made from whey cream)	412	314	285	235	5,782	3,155	2,176	2,291
Renovated or process butter	17	12	10	9	12,189	7,530	5,877	4,448
American cheese (whole milk)	2,266	1,826	1,819	1,808	295,144	254,684	261,727	282,806
American cheese (part skim)	91	50	13	20	6,854	4,467	1,455	2,164
American cheese (full skim)	101	78	23	33	7,256	6,458	1,733	2,500
Swiss cheese (including block)	339	270	290	290	21,602	20,430	22,678	19,983
Brick and Munster cheese	529	514	406	438	38,776	44,126	42,073	37,194
Limburger cheese	167	125	100	104	7,844	7,503	7,035	7,383
Cottage, pot, and bakers' cheese	489	357	329	363	31,614	29,887	27,316	32,389
Cream and Neufchatel cheese	61	40	35	38	5,639	7,601	9,279	9,936
All Italian varieties of cheese	64	41	35	34	4,391	4,779	3,793	2,627
All other varieties of cheese	94	76	48	51	11,733	12,383	6,065	5,387
Sweetened condensed milk:								
Case goods—								
Skimmed	30	15	7	8	7,468	7,700	3,861	3,915
Unskimmed	104	75	59	49	573,044	340,391	199,985	230,456
Bulk goods—								
Skimmed	118	111	85	92	65,377	84,223	66,051	76,049
Unskimmed	101	58	43	46	38,394	23,524	22,324	30,292
Unsweetened evaporated milk:								
Case goods—								
Skimmed	18	9	3	4	3,626	5,526	1,405	3,574
Unskimmed	156	130	136	132	1,194,496	979,873	1,028,172	949,909
Bulk goods—								
Skimmed	133	118	113	114	71,039	64,304	69,220	67,066
Unskimmed	126	93	92	78	77,514	72,474	73,145	70,088
Evaporated, part or full skimmed, modified with foreign fat (case goods)	11	12	15	14	62,262	84,044	59,050	38,538
Evaporated, part or full skimmed, modified with foreign fat (bulk goods)	10	6	7	4	2,733	2,517	5,873	1,915
Sterilized milk (canned same as condensed)	14	8	5	5	4,421	5,623	5,074	330
Condensed or evaporated buttermilk	25	5	24	36	24,282	32,539	29,314	44,343
Dried or powdered buttermilk	15	19	24	22	5,279	5,704	7,708	9,007
Powdered whole milk	20	19	15	18	9,042	10,334	4,242	5,599
Powdered skimmed milk	55	56	50	53	34,945	41,393	38,546	40,617
Powdered cream	6	5	3	4	607	309	130	118
Dried casein (skim-milk product)	136	85	73	74	13,685	11,441	8,066	6,907
Dried casein (buttermilk product)	17	3	2	1	722	85	10	20
Malted milk	11	8	7	7	17,436	19,715	15,652	13,659
Milk sugar (crude)	24	21	9	7	6,616	5,583	2,890	2,191
Ice cream of all kinds (gallons)	2,758	2,427	2,642	2,673	133,056	148,298	147,949	161,609
Oleomargarine (uncolored):								
Animal and vegetable oil	45	51	55	57	214,759	161,636	103,962	104,285
Exclusively vegetable oil	58	71	71	69	132,906	190,280	99,265	74,127
Exclusively animal oil	5	7	3	3	3,391	3,843	624	303
Oleomargarine (colored):								
Animal and vegetable oil	33	36	36	36	9,303	8,951	5,960	4,976
Exclusively vegetable oil	23	34	35	33	9,793	5,359	2,026	1,384
Exclusively animal oil	2	3	2	1	1,165	94	30	1

No. 162.—ANIMAL AND FISH FATS AND OILS AND VEGETABLE OILS: PRODUCTION, CALENDAR YEARS 1917 TO 1922.

[Source: Bulletins of the Departments of Agriculture and Commerce.]

ANIMAL AND FISH FATS AND OILS.

Kind.	1917	1918	1919 [1]	1920 [1]	1921 [1]	1922 [1]
	Pounds.	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*
Bone grease	31,020,000	24,817,000	22,523,523	29,748,746	26,775,547	27,324,784
Cod and cod-liver oil	439,000	712,000	968,339	1,470,812	373,920	536,542
Garbage grease	65,250,000	53,476,000	50,822,650	53,140,500	53,638,052	64,138,341
Herring oil	1,637,000	774,000	1,431,230	2,852,840	2,128,612	6,594,162
Lard [2]	868,389,000	1,008,757,000	1,084,035,935	1,257,458,481	1,454,854,775	1,575,639,547
Lard, neutral	52,548,000	81,289,000	90,031,605	77,660,234	63,110,364	49,431,962
Menhaden oil	18,640,000	12,370,000	12,827,541	27,573,401	46,953,565	53,270,078
Neat's-foot oil	8,317,000	9,764,000	7,645,514	6,212,118	6,953,795	8,806,999
Oleo stock	153,188,000	145,929,000	(3)	(3)	(3)	(3)
Sperm oil	3,567,000	743,000	649,701	3,125,525	1,265,468	2,880,975
Tallow	268,825,000	304,891,000	288,360,337	301,342,862	368,142,965	411,925,809
Whale oil	1,193,000	431,000	8,712,308	23,051,811	2,657,790	13,972,612
Wool grease and recovered grease	13,839,000	21,020,000	20,435,877	19,855,807	17,550,539	17,693,758
Miscellaneous animal oils	2,049,000	7,559,000	.....	.....	.....	.....
Miscellaneous fish oils	3,078,000	954,000	8,332,412	7,952,464	2,285,325	1,761,722
Miscellaneous greases	113,748,000	165,509,000	184,808,313	242,789,289	242,923,644	268,561,499
Total	1,605,727,000	1,838,995,000	1,781,585,285	2,054,264,890	2,289,614,361	2,502,538,790

VEGETABLE OILS.

Castor	22,902,000	14,184,000	24,637,203	24,187,085	20,595,268	31,485,885
Coconut [4]	188,488,000	341,235,000	215,542,157	131,218,408	113,194,282	185,526,073
Corn [2]	118,021,000	111,065,000	97,399,873	98,618,940	87,480,934	111,508,447
Cottonseed [5]	1,343,849,000	1,283,823,000	1,429,948,113	1,142,671,200	1,277,029,603	934,627,442
Linseed	482,199,000	375,452,000	452,927,798	485,271,517	482,917,742	456,514,418
Olive	963,000	618,000	438,694	643,116	974,425	584,883
Palm kernel [2]	6,453,000	3,784,000	2,517,105	2,671,112	1,327,382	.....
Peanut [2]	50,499,000	95,934,000	87,606,844	13,085,262	33,233,578	22,641,253
Rapeseed	232,000	139,000	1,236,743	408,840	127,905	58,125
Soy bean [2]	42,074,000	79,861,000	.....	.....	.....	751,108
Miscellaneous	3,418,000	2,590,000	2,683,417	1,610,272	1,202,995	3,288,431
Total	2,259,098,000	2,308,685,000	2,314,937,947	1,900,385,752	2,018,084,114	1,746,990,065

TOTAL FATS AND OILS.

Vegetable oils	2,259,098,000	2,308,685,000	2,314,937,947	1,900,385,752	2,018,084,114	1,746,990,065
Animal fats and oils	1,605,727,000	1,838,995,000	1,781,585,285	2,054,264,890	2,289,614,361	2,502,538,790
Total	3,864,825,000	4,147,680,000	4,096,523,232	3,954,650,642	4,307,698,475	4,249,528,855

[1] Figures do not include refined or processed fats or oils.
[2] Figures prior to 1919 include edible and inedible products.
[3] No data.
[4] Figures prior to 1919 represent total production of edible and inedible oil. As the edible oil is made from the inedible oil, there may be some duplication in these figures.
[5] Figures represent total production of crude oil only.

No. 163.—COTTON SEED AND COTTONSEED PRODUCTS: PRODUCTION AND MANUFACTURE, QUANTITIES AND VALUES, 1898 TO 1922.

[Source: Reports of the Bureau of the Census, Department of Commerce. In the preparation of this table a number of sources of information have been utilized, but it has been found impracticable to secure in all instances satisfactory data for the years indicated, and only an approximation to the facts is claimed. Statistics of the quantity of seed produced relate to the preceding crop year and the quantity manufactured and of cottonseed products to the year ending July 31.]

Year.	Cotton seed—		Cottonseed products.			
				Oil.		
					Value.	
	Produced.[1]	Manufactured.	Total value.	Quantity.	Total.	Per gallon.
	Short tons.	*Short tons.*	*Dollars.*	*Gallons.*	*Dollars.*	*Dollars.*
1898	5,253,000	2,101,000	26,680,000	84,040,000	12,610,000	0.15
1899	5,472,000	2,353,000	27,960,000	94,110,000	13,180,000	.14
1900	4,668,000	2,479,000	42,410,000	93,330,000	21,390,000	.23
1901	4,830,000	2,415,000	48,230,000	96,610,000	26,080,000	.27
1902	4,630,000	3,154,000	62,980,000	118,610,000	33,210,000	.28
1903	5,092,000	3,269,000	71,290,000	122,910,000	40,560,000	.33
1904	4,717,000	3,241,000	73,930,000	121,880,000	39,000,000	.32
1905	6,427,000	3,345,000	69,310,000	133,820,000	31,340,000	.23
1906	5,060,000	3,131,000	64,950,000	125,700,000	26,400,000	.21
1907	5,913,000	3,844,000	94,380,000	153,760,000	43,050,000	.28
1908	4,952,000	2,565,000	65,980,000	103,050,000	33,390,000	.32
1909[2]	5,904,000	3,670,000	86,090,000	146,790,000	44,090,000	.30
1910	4,462,000	3,269,000	105,720,000	131,000,000	55,230,000	.42
1911	5,175,000	4,106,000	142,710,000	167,970,000	80,430,000	.48
1912	6,997,000	4,921,073	131,340,000	201,650,000	66,580,000	.33
1913	6,104,000	4,579,508	132,230,000	185,750,000	69,100,000	.37
1914	6,305,000	4,847,628	159,670,000	193,330,000	81,020,000	.42
1915	7,186,000	5,779,665	152,880,000	229,260,000	80,540,000	.35
1916	4,992,000	4,202,313	180,260,000	167,110,000	87,940,000	.56
1917	5,113,000	4,479,176	287,192,000	187,688,000	153,419,000	.82
1918	5,040,000	4,251,680	360,736,000	174,996,000	217,902,000	.25
1919	5,360,000	4,478,508	383,580,000	176,711,000	227,316,000	1.29
1920	5,074,000	4,012,704	352,138,000	161,529,000	209,668,000	1.30
1921	5,971,000	4,669,166	156,513,000	174,558,000	84,650,000	.48
1922	3,531,000	3,007,717	136,974,000	124,063,298	71,508,000	.58

Year.	Cottonseed products—Continued.								
	Cake and meal.			Hulls.			Linters.		
		Value.			Value.			Value.	
	Quantity.	Total.	Per ton.	Quantity.	Total.	Per ton.	Quantity.	Total.	Per pound.
	Short tons.	*Dollars.*	*Dolls.*	*Short tons.*	*Dollars.*	*Dolls.*	*Bales.*[3]	*Dollars.*	*Cents.*
1898	735,000	14,070,000	19.14	.....	.....	.....	.....	.....	.....
1899	823,000	14,780,000	17.96	.....	.....	.....	.....	.....	.....
1900	884,000	16,030,000	18.13	1,169,000	3,190,000	2.73	114,544	1,800,000	3.1
1901	845,000	16,270,000	19.25	1,139,000	3,990,000	3.50	111,096	1,890,000	3.4
1902	1,125,000	21,930,000	19.49	1,487,000	6,320,000	4.25	145,103	1,520,000	2.1
1903	1,165,000	23,310,000	20.01	1,541,000	5,390,000	3.50	150,366	2,030,000	2.7
1904	1,156,000	24,840,000	21.49	1,528,000	5,710,000	3.74	194,486	4,380,000	4.5
1905	1,360,000	27,770,000	20.42	1,213,000	5,590,000	4.61	235,586	4,610,000	3.9
1906	1,272,000	29,250,000	23.00	1,135,000	5,110,000	4.50	219,397	4,190,000	3.8
1907	1,786,000	39,140,000	21.91	1,593,000	8,840,000	5.55	307,518	3,350,000	2.2
1908	1,043,000	23,300,000	22.34	927,000	6,379,000	6.87	256,487	2,920,000	2.3
1909[2]	1,492,000	33,580,000	22.51	1,330,000	6,080,000	4.57	330,277	2,340,000	1.4
1910	1,326,000	35,910,000	27.08	1,189,000	9,810,000	8.25	296,640	4,770,000	3.2
1911	1,792,000	44,660,000	24.92	1,375,000	11,370,000	8.27	379,576	6,250,000	3.3
1912	2,151,000	49,720,000	23.11	1,642,000	9,890,000	6.02	533,098	5,150,000	1.9
1913	1,999,000	45,970,000	23.00	1,540,000	9,710,000	6.30	533,091	7,450,000	2.5
1914	2,220,000	59,810,000	26.94	1,400,000	11,210,000	8.00	660,087	7,630,000	2.3
1915	2,648,000	57,740,000	21.81	1,677,000	8,450,000	5.04	820,274	6,150,000	1.5
1916	1,923,000	53,860,000	28.01	1,220,000	12,340,000	10.11	889,577	26,120,000	2.9
1917	*2,225,000*	*74,586,000*	*33.52*	*969,000*	*13,994,000*	*14.44*	*1,273,945*	*45,193,000*	*7.1*
1918	2,068,000	97,352,000	47.08	996,000	18,878,000	18.95	1,080,802	26,604,000	4.9
1919	2,170,000	116,119,000	53.51	1,137,000	17,917,000	15.76	889,500	22,228,000	5.0
1920	1,817,000	119,039,000	65.51	1,143,000	11,095,000	9.71	584,146	12,336,000	4.2
1921	1,786,000	58,298,000	32.64	1,256,000	10,059,000	8.00	422,226	3,506,000	1.7
1922	1,354,604	49,898,000	36.84	936,990	8,949,000	9.55	383,547	6,619,000	1.7

[1] Relates to crop of preceding year.
[2] The figures of the Thirteenth Census are not shown in this table because they do not represent a single growth year.
[3] Of 500 pounds net.

No. 164.—OLEOMARGARINE: Production on Which Internal-Revenue Tax was Paid, Years Ended June 30, 1919 to 1922, by States.

[Source: Reports of the Commissioner of Internal Revenue, Treasury Department.]

State.	1919		1920		1921		1922	
	Quantity.	Tax paid.	Quantity.	Tax paid.	Quantity.	Tax paid.	Quantity.	Tax paid.
	Pounds.	*Dollars.*	*Pounds.*	*Dollars.*	*Pounds.*	*Dollars.*	*Pounds.*	*Dollars.*
Calif.	2,171,989	5,429.97	11,399,940	28,499.85	16,801,370	42,004.40	11,782,800	29,457.00
Colo.	1,526,550	4,232.70	968,986	9,147.43	482,000	7,250.00	78,000	195.00
Conn.	.....	.....	2,166,648	5,421.30	.....	.....	.....	.....
Ill.	188,733,866	694,988.08	187,276,640	800,083.16	132,700,918	675,610.03	98,782,763	465,425.45
Ind.	1,945,855	12,000.18	1,199,400	9,375.00	855,250	12,692.50	996,250	15,385.00
Iowa	.....	.....	.....	.....	.....	.....	.....	.....
Kans.	20,699,310	184,826.03	21,255,990	299,131.50	13,604,896	221,401.39	6,678,600	88,456.50
Md.	1,471,561	23,881.88	2,230,984	65,949.46	2,139,440	81,236.75	1,809,690	62,048.25
Mass.	8,122,580	20,306.45	7,287,280	19,458.40	4,797,890	14,115.35	3,281,304	8,203.26
Mich.	1,025,000	2,571.28	2,869,960	7,174.90	1,446,100	3,615.25	815,600	2,039.00
Minn.	6,676,431	16,691.08	9,150,048	22,875.12	3,954,500	9,886.25	1,410,000	3,525.00
Mo.	11,615,258	107,230.32	19,301,395	226,106.55	12,600,725	206,975.00	8,368,540	118,522.75
Nebr.	4,228,298	10,574.65	3,753,510	29,811.00	2,227,000	40,765.00	919,000	2,882.50
N. J.	43,842,008	128,815.45	49,060,917	140,035.78	33,631,112	92,300.93	20,712,879	64,985.16
N. Y.	6,406,850	16,017.13	14,243,540	35,608.85	10,458,085	26,153.50	6,766,200	16,915.50
Ohio	28,445,409	72,265.00	32,775,594	81,941.91	23,805,536	59,513.84	17,121,200	42,803.00
Oreg.	1,201,654	3,024.61	1,790,700	4,525.50	1,177,200	2,943.00	919,500	2,298.75
Pa.	.....	.....	.....	.....	.....	.....	.....	.....
R. I.	9,440,784	23,618.54	7,613,190	22,512.75	5,651,422	22,690.03	2,053,660	7,187.50
Tex.	3,025,260	34,449.75	2,070,800	59,075.00	993,000	44,017.50	772,500	9,146.25
Wash.	.....	.....	.....	.....	150,000	375.00	133,360	333.40
Wis.	7,397,262	18,493.16	5,054,400	12,636.00	3,838,256	11,448.14	2,553,404	6,383.51
Wyo.	.....	.....	94,800	237.00	.....	.....	.....	.....
Total.	[1]348,975,925	1,379,416.26	[2]381,564,722	1,879,656.56	[3]271,314,700	1,574,993.86	[4]185,955,250	946,192.78

[1] Includes 5,199,758 pounds, at 10 cents, and 343,776,167 pounds, at one-fourth of 1 cent per pound.
[2] Includes 9,494,818 pounds, at 10 cents, and 372,069,904 pounds, at one-fourth of 1 cent per pound.
[3] Includes 9,196,996 pounds, at 10 cents, and 262,117,704 pounds at one-fourth of 1 cent per pound.
[4] Includes 4,936,458 pounds at 10 cents, and 181,018,792 pounds at one-fourth of 1 cent per pound.

No. 165.—BEET AND CANE SUGAR AND MOLASSES: Quantities Produced in the United States, 1852 to 1923.

[Sources: Cane sugar in Louisiana, 1903–4 to 1909–10, from Willett & Gray; beginning with 1911–12 from the Department of Agriculture. Cane sugar in "Other States," from Willett & Gray, 1903–4 to 1917–18; later years from the Department of Agriculture. All other figures of cane-sugar and molasses production prior to 1915–16 are those of A. Bouchereau, New Orleans, except that for census years and 1898–99 they are those of the Census Bureau and subsequently are those of the Department of Agriculture. Beet-sugar production for 1897–98 and for 1901–2 and later years from reports of the Department of Agriculture; for other years from Willett & Gray.]

Year ended March—	Cane sugar.			Beet sugar.	Molasses.[1]		
	Louisiana.	Other Southern States.	Total.		Louisiana.	Other Southern States.	Total.
	Pounds.	*Pounds.*	*Pounds.*	*Pounds.*	*Gallons.*	*Gallons.*	*Gallons.*
1852–1860[2]	313,341,526	17,885,898	331,227,423	.....	20,032,717	1,065,213	21,097,930
1861–1870[2]	126,548,173	5,881,700	132,429,873	[3]896,000	8,048,261	951,954	9,000,215
1871–1880[2]	159,125,435	8,975,100	168,100,535	851,200	11,096,738	1,213,302	12,310,040
1881–1890[2]	267,329,687	14,671,650	282,001,287	2,353,568	14,737,034	3,800,728	18,537,762
1891–1895[2]	527,509,180	13,775,473	541,284,654	27,272,000	21,277,179	6,124,752	27,401,930
1896–1900[2]	547,151,486	10,328,461	557,479,947	95,243,615	20,661,216	6,431,452	27,092,662
1901–1905[2]	661,464,036	20,172,453	681,636,489	388,724,619	26,953,377	7,718,527	34,671,902
1906–1910[2]	707,840,000	[4]27,776,000	735,616,000	879,405,532	24,982,244	6,264,496	31,246,748
1911–1915[2]	553,825,664	[4]16,390,080	570,215,744	1,363,067,200	25,540,900	10,804,632	36,345,535
1915–16	275,000,320	[4]2,240,000	277,240,320	1,748,440,000	15,230,000	([5])	.....
1916–17	607,799,360	[4]14,000,000	621,799,360	1,641,314,000	30,387,000	([5])	.....
1917–18	487,197,760	[4]4,480,000	491,677,760	1,530,414,000	30,728,000	25,622,811	56,350,811
1918–19	561,796,480	[4]7,000,000	568,796,480	1,521,900,000	28,049,000	36,377,000	64,426,000
1919–20	241,998,400	2,250,000	244,248,400	1,452,902,000	12,991,000	38,183,000	51,174,000
1920–21	338,231,040	13,973,120	352,204,160	2,178,000,000	16,857,000	38,980,000	55,837,000
1921–22	648,858,560	6,540,800	655,399,360	2,040,000,000	25,423,000	41,167,000	66,590,000
1922–23[6]	481,600,000	6,440,000	488,040,000	1,382,000,000	20,420,000	41,141,000	61,561,000

[1] Figures for molasses for 1918–19 and subsequently relate to cane sirup only.
[2] Average for the period. [3] 1864 to 1870. [4] Texas only. [5] No data.
[6] Preliminary figures.

No. 166.—HAWAIIAN CANE AND CANE SUGAR: CANE USED FOR SUGAR, AND CANE SUGAR PRODUCED IN THE HAWAIIAN ISLANDS, 1916 TO 1921, AND IN 1922, BY ISLANDS.

[Source: Reports of the Department of Agriculture.]

Year of cane crop and islands.	Sugar made (chiefly raw).	Cane used for sugar.			Average extraction of sugar.		Average time, actual operation.	Total acreage in cane.
		Area harvested.	Average yield per acre.	Production.	Per cent of cane.	Per short ton of cane.		
	Short tons.	*Acres.*	*Short tons.*	*Short tons.*	*Per cent.*	*Lbs.*	*Days.*	*Acres.*
1916	592,763	115,400	42	4,859,000	12.20	244	180	246,300
1917	644,663	123,900	42	5,220,000	12.35	247	190	245,100
1918	576,700	119,800	41	4,855,000	11.88	238	184	276,800
1919	600,312	119,700	40	4,744,000	12.65	253	178	239,900
1920	555,727	114,100	39	4,473,000	12.42	248	175	247,900
1921	521,579	113,100	41	4,657,000	11.20	224	202	236,500
1922:								
Island of Hawaii	223,000	55,000	37	2,010,000	11.09	222	198	106,000
Island of Kauai	94,000	23,000	36	842,000	11.22	224	200	43,000
Island of Maui	124,000	19,000	50	971,000	12.76	255	159	38,000
Island of Oahu	151,000	27,000	48	1,265,000	11.92	238	243	42,000
Hawaiian Islands	592,000	124,000	41	5,088,000	11.64	233	199	229,000

No. 167.—SUGAR BEETS AND BEET SUGAR: BEETS AND BEET SUGAR PRODUCED IN THE UNITED STATES, 1906 TO 1921, AND IN 1922, BY STATES.

[Source: Reports of the Department of Agriculture.]

Year of beet crop and State.[1]	Number of factories.	Average length of campaign.	Sugar made (chiefly refined).	Sugar beets used.				Analysis of beets.		Recovery of sucrose.[4]		Loss.[5]
				Area harvested.	Average yield per acre.	Quantity worked.	Average price per ton.	Percentage of sucrose.[2]	Purity coefficient.[3]	Percentage of weight of beets.	Percentage of total sucrose in beets.	
	Number.	*Days.*	*Short tons.*	*Acres.*	*Short tons.*	*Short tons.*	*Dolls.*	*Per cent.*	*Per cent.*	*Per cent.*	*Per cent.*	*Per cent.*
1906	63	105	483,612	376,074	11.26	4,236,112	[6] 5.10	14.9	82.20	11.42	76.64	3.40
1907	63	89	463,628	370,984	10.16	3,767,871	[6] 5.20	15.8	83.60	12.30	77.85	3.57
1908	62	74	425,884	364,913	9.36	3,414,891	[6] 5.35	15.74	83.50	12.47	79.22	3.28
1909	65	83	512,469	420,262	9.71	4,081,382	.....	16.10	84.10	12.56	78.01	3.54
1910	61	83	510,172	398,029	10.17	4,047,292	.....	16.35	84.35	12.61	77.13	3.74
1911	66	94	599,500	473,877	10.68	5,062,333	5.50	15.89	82.21	11.84	74.51	4.05
1912	73	86	692,556	555,300	9.41	5,224,377	5.82	16.31	84.49	13.26	81.12	3.05
1913	71	85	733,401	580,006	9.76	5,659,462	5.69	15.78	83.22	12.96	82.13	2.82
1914	60	85	722,054	483,400	10.9	5,288,500	5.45	16.38	83.89	13.65	83.33	2.73
1915	67	92	874,220	611,301	10.1	6,150,293	5.67	16.49	84.38	14.21	86.17	2.28
1916	74	80	820,657	665,308	8.90	5,919,673	6.12	16.30	84.74	13.86	85.03	2.44
1917	91	74	765,207	664,797	8.46	5,625,545	7.39	16.28	83.89	13.60	83.54	2.68
1918	89	81	760,950	594,010	9.39	5,577,506	10.00	16.18	84.70	13.64	84.30	2.54
1919	89	78	726,451	692,455	8.50	5,887,557	11.74	14.48	82.84	12.34	85.22	2.14
1920	97	91	1,089,000	872,000	9.17	7,991,000	11.63	15.99	83.96	13.63	85.24	2.36
1921	92	76	1,020,000	815,000	9.10	7,414,000	6.38	15.77	83.09	13.76	87.25	2.01
1922.[7]												
California	7	.....	72,000	59,000	.....	441,000	8.77	18.60	.....	16.30	87.63	2.30
Colorado	15	.....	183,000	150,000	.....	1,473,000	5.31	14.86	.....	12.42	83.53	2.44
Idaho	5	.....	41,000	25,000	.....	277,000	5.50	16.66	.....	14.91	89.50	1.75
Michigan	15	.....	86,000	83,000	.....	690,000	5.65	14.33	.....	12.41	86.60	1.92
Nebraska	5	.....	85,000	55,000	.....	688,000	5.00	15.19	.....	12.31	81.04	2.88
Ohio	4	.....	27,000	25,000	.....	211,000	5.50	14.75	.....	12.89	87.39	1.86
Utah	16	.....	118,000	74,000	.....	860,000	5.08	16.23	.....	13.72	84.53	2.51
Wisconsin	4	.....	10,000	9,000	.....	79,000	5.95	16.10	.....	12.99	80.68	3.11
Other States	10	.....	69,000	57,000	.....	524,000	5.83	15.90	.....	13.08	82.26	2.82
United States	61	.....	691,000	537,000	.....	5,243,000	5.65	15.59	.....	13.17	84.48	2.42

[1] Acreage and production of beets are credited, as in former reports, to the States in which the beets were made into sugar.
[2] Based upon weight of beets.
[3] Percentage of sucrose (pure sugar) in the total soluble solids of the beets.
[4] Percentage of sucrose actually extracted by factories.
[5] Percentage of sucrose (based upon weight of beets) remaining in molasses and pulp.
[6] Senate Document No. 22, Sixty-first Congress, first session.
[7] Preliminary figures.

No. 168.—FERMENTED LIQUORS AND DISTILLED SPIRITS PRODUCED: QUANTITIES AND KINDS, 1904 TO 1922.

[Source: Reports of the Commissioner of Internal Revenue, Treasury Department.]

Year ended June 30—	Distilled spirits.			Fermented liquors.	Year ended June 30—	Distilled spirits.			Fermented liquors.
	Exclusive of fruit brandy.	Fruit brandy.	Total.			Exclusive of fruit brandy.	Fruit brandy.	Total.	
	1,000 tax. galls.[1]	*1,000 tax. galls.*[1]	*1,000 tax. galls.*[1]	*1,000 barrels.*[2]		*1,000 tax. galls.*[1]	*1,000 tax. galls.*[1]	*1,000 tax. galls.*[1]	*1,000 barrels.*[2]
1904	134,312	5,193	139,505	[3] 48,265	1914	174,612	7,308	181,920	[3] 66,189
1905	147,811	5,449	153,259	[3] 49,522	1915	132,134	8,522	140,656	[3] 59,808
1906	145,666	4,444	150,110	[3] 54,725	1916	249,124	4,159	253,283	[3] 58,634
1907	168,574	6,138	174,712	[3] 58,622	1917	277,834	8,251	286,085	[3] 60,817
1908	126,990	6,900	133,890	[3] 58,814	1918	173,476	5,357	178,834	[3] 50,266
1909	133,451	6,441	139,892	[3] 56,364	1919	98,976	1,802	100,779	[3] 27,713
1910	156,238	7,656	163,894	[3] 59,545	1920	99,616	1,649	101,265	[3] 9,231
1911	175,402	7,953	183,356	[3] 63,283	1921	86,366	1,531	87,896	[4] 9,220
1912	178,250	9,322	187,572	[3] 62,177	1922	81,086	1,077	82,163	[4] 6,348
1913	185,353	8,253	193,606	[3] 65,325					

[1] With respect to units of quantity, see explanation of terms preceding the first table of this volume.
[2] Of not more than 31 gallons.
[3] Includes fermented liquors removed from breweries for export free of tax.
[4] This item represents cereal beverages containing less than one-half of 1 per cent alcohol by volume, as no fermented liquors were produced for consumption as such during the years 1921 and 1922.

No. 169.—DISTILLED SPIRITS PRODUCED: QUANTITIES, BY STATES, YEARS ENDED JUNE 30, 1917 TO 1922.

[Source: Reports of the Commissioner of Internal Revenue, Treasury Department.]

State.	1917	1918	1919	1920	1921	1922
	Tax. galls.[1]	*Tax. galls.*[1]	*Tax. galls.*[1]	*Tax. galls.*[1]	*Tax. galls.*[1]	*Tax. galls.*[1]
California and Nevada	17,851,482	14,023,646	9,895,694	6,496,941	6,021,044	4,536,671
Connecticut	132,054	26,451	36,517	.....	2,677	30,990
Hawaii	14,015	3,935	.....	.....	176,518	239,928
Illinois	79,320,617	49,680,080	26,265,840	22,477,959	20,827,336	8,001,500
Indiana	43,361,276	15,830,930	1,150,952	3,263,662	6,338,481	5,793,724
Kentucky	36,441,778	12,608,437	3,957,655	269,626	2,956,601	569,865
Louisana and Mississippi	26,545,833	24,406,539	22,135,265	33,305,220	17,906,590	22,854,329
Maryland and two counties in Virginia	24,965,321	26,746,386	16,078,606	16,574,263	11,673,096	14,711,111
District of Columbia	608,812	749,517	488,215	818,251	905,053	1,037,075
Massachusetts	12,511,238	10,873,375	5,973,432	3,280,069	3,142,022	3,894,399
Michigan	819,908	752,745	.....	.....	1,277,427	1,220,752
Missouri	289,660	79,527	.....	.....	915,492	1,362,807
Montana, Idaho, and Utah	244,772	186,248	107,863	.....	.....	.....
Nebraska	2,938,594	.....	.....	.....	.....	.....
New Jersey	54,494	51	.....	.....	240,104	214,504
New York	13,856,054	10,544,901	6,956,436	3,407,194	2,546,740	2,086,542
Ohio	10,114,573	3,314,103	1,263,875	1,356,538	2,748,021	2,218,186
Pennsylvania	12,190,764	7,293,914	5,877,817	8,872,274	8,902,776	12,416,086
South Carolina	1,159,309	943,568	378,227	874,558	322,524	.....
Virginia	122,957	.....	.....	.....	.....	.....
Wisconsin	2,527,249	759,294	212,146	268,682	603,515	634,555
All other States	14,704	10,152	.....	.....	377,495	339,763
Total	286,085,464	178,833,799	100,778,540	101,265,237	87,896,450	82,163,296

[1] See explanatory notes preceding the first table of this volume.

No. 170.—FERMENTED LIQUORS PRODUCED: QUANTITIES, BY STATES, YEARS ENDED JUNE 30, 1917 TO 1922.

[Source: Reports of the Commissioner of Internal Revenue, Treasury Department.]

State.	1917	1918	1919	1920	1921 [1]	1922 [1]
	Barrels. [2]	*Barrels.* [2]	*Barrels.* [2]	*Barrels.* [2]	*Barrels.* [3]	*Barrels.* [3]
California	1,542,876	1,489,880	680,867	500,683	246,063	227,058
Colorado	707	966	780	.....	37,218	27,935
Connecticut	1,019,572	883,898	565,718	68,285	227,716	142,254
Delaware	158,705	146,183	80,475	.....	11,593	10,520
District of Columbia	161,791	47,527	.....	.....	24,395	.....
Georgia	.....	.....	.....	.....	14,859	10,974
Hawaii	44,781	22,563	70	.....	.....	.....
Illinois	6,223,097	4,925,066	2,768,973	287,069	964,617	657,573
Indiana	1,548,615	933,232	386,004	84,718	147,262	91,729
Kentucky	673,272	550,583	303,982	57,357	130,586	78,578
Louisiana and Mississippi	514,361	436,227	263,738	234,452	150,259	47,799
Maryland and two counties in Virginia	1,164,121	1,041,515	522,507	322,577	141,026	115,833
Massachusetts	2,518,887	2,218,816	1,396,574	428,551	201,630	117,596
Michigan	2,338,521	1,534,163	65,753	.....	193,469	119,496
Minnesota	1,539,321	1,068,073	490,612	.....	208,914	225,634
Missouri	3,434,174	2,880,964	1,265,739	744,287	841,067	441,117
Montana	319,313	271,836	65,497	.....	.....	13,634
Nebraska	362,354	.....	.....	.....	31,991	25,286
New Hampshire	268,564	166,115	.....	.....	.....	.....
New Jersey	3,402,420	2,927,442	2,154,474	923,677	548,237	402,315
New York	13,198,400	11,325,413	7,537,566	3,177,922	2,258,385	1,679,657
Ohio	5,458,868	4,825,373	1,948,470	26,279	725,617	488,407
Pennsylvania	8,174,457	7,315,640	4,444,025	1,269,507	1,286,227	888,184
Rhode Island	680,558	669,255	501,564	167,411	82,577	29,833
Tennessee	32,999	.....	.....	.....	37,794	24,700
Texas	755,582	550,643	137,622	600	60,565	57,842
Utah	164,126	24,156	.....	.....	1,707	10,356
Washington	.....	.....	1,530	.....	8,145	11,895
Wisconsin	4,919,014	3,935,672	2,036,873	937,815	629,049	377,896
Wyoming	22,948	33,565	22,958	.....	3,043	3,743
All other States	174,966	41,450	10,277	.....	6,177	19,955
Total [3]	60,817,379	50,266,216	27,712,648	9,231,280	9,220,188	6,347,799

[1] As no fermented liquors were produced for consumption as such during the fiscal years ended June 30, 1921 and 1922, only the production of cereal beverages containing less than one-half of 1 per cent of alcohol by volume is shown.

[2] Of not more than 31 gallons.

[3] Includes quantities removed from breweries for export free of tax, as follows: 1915, 61,509 barrels; 1916, 69,116 barrels; 1917, 87,870 barrels; 1918, 91,422 barrels; 1919, 74,097 barrels; 1920, 53,816 barrels.

No. 171.—DENATURED ALCOHOL: NUMBER OF DENATURING PLANTS, QUANTITY OF SPIRITS WITHDRAWN FOR DENATURATION AND QUANTITY OF DENATURED ALCOHOL PRODUCED, YEARS ENDED JUNE 30, 1912 TO 1922.

Year ended June 30—	Denaturing plants.	Ethyl alcohol withdrawn for denaturation.	Denatured alcohol produced.		
			Completely.	Specially.	Total.
		Proof gallons.	*Wine gallons.*	*Wine gallons.*	*Wine gallons.*
1912	14	13,955,903.8	4,161,268.56	3,933,246.44	8,094,515.00
1913	21	16,953,552.8	5,223,240.78	4,608,417.76	9,831,658.54
1914	25	17,811,078.2	5,213,129.56	5,191,846.03	10,404,975.59
1915	23	25,411,718.8	5,386,646.96	8,599,821.81	13,986,468.77
1916	33	84,532,253.1	7,871,952.82	38,807,153.56	46,679,106.38
1917	44	93,762,422.7	10,508,919.34	45,170,678.29	55,679,597.63
1918	49	90,644,722.8	10,328,454.61	39,834,561.48	50,163,016.09
1919	45	60,399,308.9	9,976,720.62	28,294,218.97	38,270,939.59
1920	52	45,640,948.6	13,528,402.99	15,307,947.18	28,836,350.17
1921	67	38,812,138.7	12,392,595.02	9,996,229.90	22,388,824.92
1922	77	59,549,919.6	16,193,523.60	17,152,224.31	33,345,747.91

No. 172.—TOBACCO MANUFACTURES: SNUFF, CIGARS, AND CIGARETTES CALENDAR YEARS 1912 TO 1921.[1]

[From reports of the Commissioner of Internal Revenue, Treasury Department.]

TOBACCO AND SNUFF.

Year.	Plug.	Twist.	Fine-cut.	Smoking.	Snuff.	Total.
	Pounds.	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*
1912	160,248,195	15,531,133	11,006,561	217,330,409	31,363,651	435,479,949
1913	164,338,510	14,893,789	10,934,526	220,809,688	32,598,056	443,874,569
1914	156,502,776	15,987,339	10,961,100	228,888,866	30,595,640	440,935,721
1915	150,658,608	14,829,376	10,045,001	234,927,827	31,898,407	442,359,219
1916	165,630,918	15,998,082	10,846,358	239,720,776	33,969,594	466,165,728
1917	179,413,107	15,174,350	11,286,561	243,586,164	33,516,802	482,976,984
1918	174,697,408	17,499,465	9,809,225	257,893,440	37,180,382	497,079,920
1919	141,037,895	11,290,488	8,165,865	228,366,655	35,007,882	424,068,785
1920	138,563,258	11,765,807	8,680,999	219,270,561	34,348,941	412,629,566
1921	113,384,374	9,261,035	12,934,575	216,681,125	34,689,917	386,951,026

CIGARS AND CIGARETTES.

Year.	Cigars.		Cigarettes.	
	Weighing more than 3 pounds per thousand.	Weighing not more than 3 pounds per thousand.	Weighing more than 3 pounds per thousand.	Weighing not more than 3 pounds per thousand.
	Number.	*Number.*	*Number.*	*Number.*
1912	7,044,257,235	1,055,191,495	16,600,384	13,167,093,515
1913	7,571,507,834	959,409,161	15,105,776	15,555,692,661
1914	7,174,191,944	1,074,699,103	13,894,359	16,855,626,104
1915	6,599,188,078	965,135,187	15,816,210	17,964,348,272
1916	7,042,127,401	890,482,790	22,192,700	25,290,293,911
1917	7,559,890,349	967,228,920	24,596,110	35,331,264,067
1918	7,053,549,402	847,466,421	23,413,857	46,056,903,224
1919	7,072,357,021	713,235,870	31,888,910	53,119,784,232
1920	8,096,758,663	633,222,232	28,038,552	47,430,105,055
1921	*6,726,095,483*	*670,482,748*	*14,518,266*	*52,085,011,560*

[1] Compiled from monthly returns of manufacturers. Figures relate exclusively to products manufactured in the United States and to operations of internal-revenue factories only. They do not include cigars manufactured from imported tobacco in bonded manufacturing warehouses, which are under customs supervision, and which amounted in 1921 to 31,710,904.

No. 173.—EXPLOSIVES: PRODUCTION OF EXPLOSIVES (EXCLUDING EXPORTS), CALENDAR YEARS 1912, 1915, AND 1918 TO 1922.

[Source: Bureau of Mines, Department of the Interior.]

	1912	1915	1918	1919	1920	1921	1922
Black blasting powder (1,000 kegs [1]:)							
Used for coal mining	7,484	6,701	8,649	6,140	8,791	5,613	6,190
Used for other mining	1,728	268	298	252	347	185	168
Used for railway and other construction work		290	219	204	196	164	310
Used for other purposes		650	701	625	861	439	487
Total	9,212	7,909	9,867	7,221	10,195	6,401	7,155
High explosives other than permissible (1,000 pounds):							
Used for coal mining	20,903	22,384	31,368	29,616	37,273	34,232	25,498
Used for other mining	89,703	109,129	102,367	89,755	89,132	50,977	78,074
Used for railway and other construction work	123,863	22,280	12,082	12,760	15,053	18,317	22,434
Used for all other purposes		82,036	60,600	66,138	87,654	67,426	83,470
Total	234,469	235,829	206,417	198,269	229,112	170,952	209,476
Permissible explosives (1,000 pounds):							
Used for coal mining	18,151	21,842	37,263	32,840	45,222	38,056	40,198
Used for other mining	4,668	4,688	4,550	2,498	3,751	882	1,453
Used for railway and other construction work	1,811	140	183	183	267	263	154
Used for all other purposes		681	4,049	3,333	4,724	1,934	1,625
Total	24,630	27,351	46,045	38,854	53,964	41,135	43,430

[1] Kegs of 25 pounds each.

No. 174.—EXPLOSIVES: AMOUNTS (EXCLUDING EXPORTS) MANUFACTURED AND SOLD, BY STATES, CALENDAR YEARS 1921 AND 1922.

[Source: Bureau of Mines, Department of the Interior.]

State.	1921			1922		
	Black blasting powder.	High explosives other than permissible.	Permissible explosives.	Black blasting powder.	High explosives other than permissible.	Permissible explosives.
	Kegs.[1]	*Pounds.*	*Pounds.*	*Kegs.*[1]	*Pounds.*	*Pounds.*
Alabama	127,726	3,729,954	2,580,053	189,524	6,007,360	4,292,969
Alaska	213	1,734,050	43,300	2,790	1,970,030	48,100
Arizona	7,866	4,138,071	1,250	50,527	7,772,071	43,700
Arkansas	59,101	2,133,065	127,987	51,989	1,431,761	47,300
California	67,442	11,265,854	23,700	134,362	16,877,066	24,550
Colorado	72,623	3,311,252	696,000	87,444	3,554,877	821,274
Connecticut	584	597,015	.....	597	655,515	.....
Delaware	83	47,093	250	120	43,589	.....
Florida	1,300	2,359,325	117,300	2,813	3,289,875	4,500
Georgia	7,063	444,028	.....	12,770	913,477	.....
Idaho	8,951	2,661,165	.....	14,137	3,467,835	.....
Illinois	1,316,834	4,774,887	3,169,854	1,160,865	6,421,785	2,758,300
Indiana	785,104	2,431,374	474,313	804,118	2,423,426	496,825
Iowa	244,084	2,047,464	4,350	238,779	2,105,449	19,650
Kansas	208,045	4,266,383	32,016	238,417	5,739,178	70,450
Kentucky	465,607	2,079,211	1,116,375	836,102	2,050,861	1,781,450
Louisiana	72	850,061	156,750	404	1,013,805	204,800
Maine	1,503	584,442	.....	1,734	634,177	.....
Maryland [2]	10,082	852,497	52,000	24,095	1,385,787	221,700
Massachusetts	4,146	568,730	900	3,291	804,889	500
Michigan	6,941	11,745,511	31,000	9,101	15,601,558	44,550
Minnesota	112,417	6,550,971	.....	78,404	9,146,013	1,350
Mississippi	2,934	713,215	11,500	1,486	790,375	18,950
Missouri	138,333	6,127,477	121,200	143,573	7,467,089	79,350
Montana	74,917	2,607,757	26,360	95,797	4,755,122	33,400
Nebraska	3,382	167,920	250	3,180	179,789	.....
Nevada	3,897	2,113,800	650	14,610	2,655,445	.....
New Hampshire	267	146,100	.....	332	136,050	.....
New Jersey	1,793	1,740,170	3,625	1,660	1,813,305	.....
New Mexico	7,704	533,550	388,250	7,572	1,136,980	472,200
New York	6,420	8,847,810	414,000	13,703	10,684,021	203,500
North Carolina	21,645	1,524,595	3,850	30,288	2,703,955	7,900
North Dakota	30,154	274,725	4,350	40,448	397,500	40,500
Ohio	311,970	5,197,631	54,069	485,471	7,248,511	81,369
Oklahoma	76,704	5,035,806	413,004	114,378	9,627,558	447,598
Oregon	26,705	3,781,745	2,650	39,901	4,853,230	7,050
Pennsylvania	1,394,869	37,809,025	21,458,135	1,169,690	31,509,040	18,669,539
Rhode Island	209	75,275	.....	214	124,350	.....
South Carolina	1,714	339,400	.....	1,682	487,925	.....
South Dakota	2,851	1,295,240	.....	3,158	1,419,425	.....
Tennessee	108,909	2,323,985	235,575	143,256	2,562,340	448,575
Texas	35,927	1,828,489	84,750	56,697	2,283,517	173,600
Utah	12,680	2,591,780	898,850	19,695	3,270,710	1,639,500
Vermont	232	294,150	.....	3,761	712,921	.....
Virginia	62,753	2,531,574	387,625	112,257	3,010,958	692,350
Washington	44,478	5,743,941	769,335	58,100	7,587,874	582,925
West Virginia	413,634	3,361,061	6,740,025	553,570	3,645,083	8,552,719
Wisconsin	3,790	4,343,137	500	2,413	4,443,202	102,275
Wyoming	104,142	430,041	487,900	95,374	659,425	294,500
Total	6,400,850	170,952,402	41,133,851	7,154,649	209,476,084	43,429,768
	[3] 160,021,250	.....	.....	[3] 178,866,225	.....	.....
Grand total	[3] 372,107,503			[3] 431,772,077		

[1] Kegs of 25 pounds. [2] Includes District of Columbia. [3] Pounds.

No. 175.—PRODUCTION OF LUMBER, CALENDAR YEARS 1880, 1890, 1899, 1910, 1915, 1920, AND 1921: BY STATES AND GEOGRAPHIC GROUPS.

[Sources: Reports of the Bureau of the Census, Department of Commerce, in cooperation with the Forest Service, Department of Agriculture. Statistics 1915 and 1920 gathered entirely by the latter.]

State and group.	1880	1890	1899	1910	1915 [1]	1920 [1]	1921 [1]
Northeastern group:	*M feet.* [2]	*M feet.* [2]	*M feet.* [2]	*M feet.* [2]	*M feet.* [2]	*M feet.* [2]	*M feet.* [2]
Connecticut	(3)	(3)	(3)	126,463	90,000	71,600	64,841
Delaware	(3)	(3)	(3)	46,642	25,000	19,800	20,839
Maine	566,656	564,243	756,515	860,273	1,000,000	505,600	421,536
Massachusetts	205,244	208,655	342,058	239,206	250,000	139,200	136,736
New Hampshire	292,267	266,890	562,258	443,907	500,000	248,600	261,999
New Jersey	(3)	(3)	(3)	36,542	45,000	23,300	23,860
New York	1,184,220	999,990	874,754	506,074	475,000	410,900	283,863
Pennsylvania	1,733,844	2,113,267	2,321,284	1,241,199	950,000	520,000	368,102
Rhode Island	(3)	(3)	(3)	14,392	15,000	8,900	4,946
Vermont	(3)	(3)	(3)	284,815	260,000	164,500	139,183
Lake group:							
Michigan	4,172,572	4,245,717	3,012,057	1,681,081	1,100,000	749,800	571,387
Minnesota	563,974	1,079,403	2,341,619	1,457,734	1,100,000	576,300	412,145
Wisconsin	1,542,021	2,817,200	3,361,943	1,891,291	1,210,000	1,059,900	800,477
Miscellaneous group:							
Arizona	(3)	(3)	(3)	72,655	75,915	121,160	46,418
Colorado	(3)	(3)	(3)	121,398	74,500	70,000	41,076
Idaho	18,204	27,800	65,331	745,984	777,000	970,000	542,620
Iowa	(3)	(3)	(3)	75,446	35,000	14,300	5,372
Kansas	(3)	(3)	(3)	639	(3)	[4] 4,500	13,310
Montana	(3)	(3)	(3)	319,089	328,000	410,000	213,989
Nebraska	(3)	(3)	(3)	(3)	.....	(5)	(5)
Nevada	(3)	.....	(3)	(3)	(6)	(6)	(5)
New Mexico	(3)	(3)	(3)	83,544	65,787	112,240	94,520
South Dakota	(3)	(3)	(3)	16,340	22,562	45,100	27,062
Utah	(3)	(3)	(3)	11,786	10,892	7,750	7,689
Wyoming	(3)	(3)	(3)	30,931	17,000	7,550	5,750
Central group:							
Illinois	(3)	(3)	(3)	113,506	110,000	56,900	42,531
Indiana	915,943	707,115	977,878	422,963	350,000	258,300	138,397
Kentucky	305,684	420,820	765,343	753,556	560,000	421,100	255,922
Missouri	399,744	395,755	715,968	501,691	350,000	274,200	158,418
Ohio	910,832	541,076	957,239	490,039	400,000	247,400	133,218
Tennessee	302,673	450,097	939,463	1,016,475	800,000	779,800	451,937
West Virginia	180,112	299,709	773,583	1,376,737	1,100,000	697,600	467,002
Pacific group:							
California	304,795	515,823	734,232	1,254,826	1,130,000	[7] 1,513,000	1,350,423
Oregon	177,171	444,565	734,181	2,084,633	1,690,000	3,317,000	2,022,219
Washington	160,176	1,061,560	1,428,205	4,097,492	3,950,000	5,525,000	3,831,800
Southern group:							
Alabama	251,851	586,143	1,096,539	1,465,623	1,500,000	1,439,200	1,386,426
Arkansas	172,503	526,091	1,595,933	1,844,446	1,800,000	1,452,200	1,301,095
Florida	247,627	411,436	788,905	992,091	1,110,000	1,000,900	922,332
Georgia	451,788	572,970	1,308,610	1,041,617	1,000,000	761,800	792,579
Louisiana	133,472	303,591	1,113,423	3,733,900	3,900,000	3,120,000	3,215,110
Maryland	(3)	(3)	(3)	154,554	165,000	85,600	71,169
Mississippi	168,747	452,797	1,202,334	2,122,205	2,300,000	2,224,000	2,081,520
North Carolina	241,822	509,436	1,278,399	1,824,722	2,090,000	1,246,700	931,015
Oklahoma	.....	(3)	(3)	164,663	230,000	163,400	120,371
South Carolina	185,772	197,940	466,109	706,831	800,000	610,500	684,333
Texas	328,968	839,724	1,230,904	1,884,134	1,750,000	1,328,800	1,502,333
Virginia	315,939	409,804	956,169	1,652,192	1,500,000	1,014,400	592,979
Geographic groups.							
Northeastern group	3,982,231	4,063,045	4,856,869	3,799,513	3,610,000	2,112,400	1,725,905
Lake group	6,278,567	8,142,320	8,715,619	5,030,106	3,410,000	2,386,000	1,784,009
Southern group	2,498,489	4,809,932	11,037,325	17,586,978	18,145,000	14,447,500	13,601,262
Central group	3,014,988	2,814,572	5,129,474	4,674,967	3,670,000	2,735,300	1,647,425
Pacific group	642,142	2,021,948	2,896,618	7,436,951	6,770,000	10,355,000	7,204,457
Miscellaneous group	18,204	27,800	65,331	1,477,812	1,406,656	1,762,600	997,805
States not specified	1,652,735	1,615,236	2,079,277	11,955	.....	.....	.....
Total	18,087,356	23,494,853	34,780,513	[8] 40,018,282	[8] 37,011,656	33,798,800	26,960,864

[1] Computed totals for 1915 and 1920.
[2] See explanatory notes preceding the first table of this volume.
[3] Included in "States not specified."
[4] Includes cut of mills in Nebraska.
[5] Included with Kansas.
[6] Included with California in 1915 and 1920.
[7] Included with Nevada in 1920.
[8] Does not include the cut of mills sawing less than 50,000 feet.

No. 176.—PRODUCTION AND AVERAGE MILL VALUE PER M FEET OF LUMBER SAWED, CALENDAR YEARS 1909, 1915, 1920, AND 1921: BY PRINCIPAL KINDS OF WOOD.

[Sources: Reports of the Bureau of the Census, Department of Commerce, in cooperation with the Forest Service, Department of Agriculture. Statistics for 1915 and 1920 gathered entirely by the latter.]

Kind.	1909		1915		1920		1921	
	Quantity.	Average value per M feet.[1]	Quantity.	Average value per M feet.[1]	Quantity.	Average value per M feet.[1]	Quantity.	Average value per M feet.[1]
	M feet.	*Dollars.*	*M feet.*	*Dollars.*	*M feet.*	*Dollars.*	*M feet.*	*Dollars.*
Ash	291,209	24.44	190,000	22.15	170,000	61.28	127,843	38.18
Basswood	399,151	19.50	260,000	18.89	195,000	54.28	125,633	33.09
Beech	511,244	13.25	360,000	14.01	325,000	36.51	190,387	26.99
Birch	452,370	16.95	415,000	16.52	405,000	53.44	319,192	31.53
Cedar	346,008	19.95	420,000	16.10	260,000	38.68	234,576	38.55
Chestnut	663,891	16.12	490,000	16.17	475,000	42.48	312,486	27.87
Cottonwood	265,600	18.05	180,000	17.36	155,000	33.38	122,305	25.05
Cypress	955,635	20.46	1,100,000	19.85	625,000	51.02	770,920	36.88
Douglas fir	4,856,378	12.44	4,431,249	10.59	6,960,000	34.59	4,642,122	18.04
Elm	347,456	17.52	210,000	16.98	225,000	47.23	132,276	29.63
Hemlock	3,051,399	13.95	2,275,000	13.14	1,850,000	32.05	1,201,063	20.79
Maple	1,106,604	15.77	900,000	15.21	875,000	50.16	609,852	30.34
Oak	4,414,457	20.50	2,970,000	18.73	2,500,000	46.88	1,592,175	30.56
Poplar (yellow)	858,500	25.39	464,000	22.45	350,000	58.87	235,418	37.31
Gum (red and sap)	706,945	13.20	655,000	12.54	850,000	35.24	683,398	22.46
Redwood	521,630	14.80	420,294	13.54	476,500	46.90	467,804	40.57
Spruce	1,748,547	16.91	1,400,000	16.58	825,000	38.94	629,256	25.73
Western yellow pine	1,499,985	15.39	1,293,985	14.32	2,290,000	38.73	1,432,273	26.92
White pine[2]	3,900,034	18.16	2,700,000	17.44	1,500,000	41.49	1,273,710	30.03
Yellow pine	16,277,185	12.69	14,700,000	12.41	11,091,000	35.89	10,959,863	19.42
Larch	.....	.....	375,000	10.78	390,000	30.28	213,397	15.56
Tupelo	.....	.....	170,000	12.25	180,000	33.68	134,751	18.59
White fir	.....	.....	125,048	10.94	280,000	30.44	186,363	21.37
Sugar pine	.....	.....	117,701	17.40	146,000	48.76	133,566	37.83
Hickory	.....	.....	100,000	23.35	150,000	52.57	73,523	36.60
Balsam fir	.....	.....	100,000	13.79	85,000	34.33	29,350	25.71
Walnut	.....	.....	90,000	48.47	35,000	88.92	31,121	88.83
Sycamore	.....	.....	25,000	13.86	31,000	32.12	17,932	22.55
Lodgepole pine	.....	.....	26,486	13.57	31,000	30.58	11,241	21.81
Minor species	.....	.....	47,893	.....	68,300	100.89	67,068	120.53
All other	1,335,533	20.44	.....	.....	.....	.....	.....	.....
Total	44,509,761	15.38	37,011,656	14.04	33,798,800	38.42	26,960,864	23.47

[1] 1,000 feet board measure. [2] Includes Norway pine.

No. 177.—STAVES, HEADING, AND HOOPS: PRODUCTION, CALENDAR YEAR 1921, BY STATES AND BY KINDS.

[Source: Bureau of the Census, Department of Commerce.]

State.	Staves.			Heading.		Hoops.
	Tight.	Sawed tight.	Slack.	Tight.	Slack.	Slack.
	Thousands.	*Thousands.*	*Thousands.*	*Sets.*	*1,000 sets.*	*Thousands.*
Alabama	12,603	12,603	37,575	99,312	19,744	.....
Arkansas	49,304	48,989	255,537	4,457,634	1,530	23,771
Georgia	13,365	13,365	5,660	1,029,450	2,868	(1)
Kentucky	8,235	8,080	(1)	41,150	(1)	.....
Louisiana	19,014	18,986	44,202	1,675,948	450	.....
Maine	(1)	(1)	27,763	224,988	1,516	224
Mississippi	20,386	19,934	57,447	2,796,736	(1)	36,713
Missouri	10,651	10,651	88,223	125,635	2,940	11,316
New Hampshire	19,959	19,959	20,681	1,759,900	1,180	.....
Oregon	46,015	46,015	(1)	2,432,047	(1)	.....
Pennsylvania	.....	.....	30,318	.....	1,610	(1)
Tennessee	21,281	21,281	24,833	2,729,902	1,959	7,174
Virginia	.....	.....	98,816	.....	3,623	.....
All other	34,234	32,670	202,566	3,132,247	29,327	58,182
Total	255,047	252,533	893,621	20,504,949	66,747	137,380

[1] Included in "All other."

No. 178.—LATH AND SHINGLES: Active Mills Reporting and Number of Pieces Produced, by States, Calendar Years 1918 to 1921.

[Source: Bulletin of the Forest Service, Department of Agriculture, and Bureau of the Census, Department of Commerce.]

	Active mills reporting.				Production reported.			
	1918	1919	1920	1921	1918	1919	1920	1921
	Number.	*Number.*	*Number.*	*Number.*	*1,000 pieces.*	*1,000 pieces.*	*1,000 pieces.*	*1,000 pieces.*
Lath:								
Alabama	18	24	24	13	25,227	42,502	32,444	44,781
Arkansas	30	25	28	20	26,481	72,827	50,108	57,421
California	10	18	20	23	22,281	53,042	36,793	51,737
Florida	22	34	36	38	55,171	76,402	89,948	102,275
Georgia	12	13	24	22	19,083	19,718	39,840	25,464
Idaho	20	23	24	25	70,494	69,150	97,182	58,939
Louisiana	53	59	51	61	236,543	199,018	215,738	282,726
Maine	50	71	82	75	62,671	104,223	101,704	110,628
Michigan	42	53	44	44	48,533	51,469	50,892	58,165
Minnesota	31	44	42	25	155,905	115,741	117,300	122,449
Mississippi	27	28	28	18	81,598	96,204	113,707	139,324
Montana	11	11	20	21	21,903	21,362	47,673	41,223
Oregon	23	37	41	37	78,780	122,848	173,732	163,331
Texas	11	10	18	11	21,866	35,916	48,766	52,884
Virginia	50	46	62	(1)	16,902	27,073	27,548	(1)
Washington	42	72	69	84	154,668	339,058	404,942	379,714
West Virginia	29	37	41	30	33,289	22,005	33,543	32,972
Wisconsin	75	82	101	80	122,858	138,936	124,198	100,673
All other	353	446	538	350	107,934	116,584	146,925	145,990
Total	909	1,133	1,290	977	1,362,187	1,724,078	1,952,983	1,970,696
Shingles:								
Alabama	60	124	70	56	50,065	62,241	32,615	37,524
Arkansas	35	63	29	33	25,870	98,937	19,770	41,694
California	20	40	38	48	146,071	191,831	167,130	149,555
Florida	37	71	32	50	102,725	128,286	67,689	77,847
Georgia	37	142	81	98	46,395	114,806	59,058	55,194
Idaho	4	3	6	(1)	32,893	22,657	25,211	(1)
Louisiana	44	52	34	42	272,866	300,784	211,503	217,720
Maine	100	182	137	116	87,193	188,576	140,038	163,356
Michigan	48	63	40	36	148,565	144,173	116,678	121,139
Mississippi	16	28	17	20	18,431	34,002	22,858	30,406
North Carolina	66	74	45	36	40,080	92,139	47,403	46,664
Oregon	25	53	21	39	281,138	530,066	288,721	366,555
Washington	158	292	206	225	4,238,714	7,095,122	4,847,105	5,366,085
Wisconsin	63	58	45	32	91,907	96,928	64,479	70,647
All other	339	481	332	237	99,269	92,156	46,158	99,401
Total	1,052	1,726	1,133	1,068	5,690,182	9,192,704	6,156,416	6,843,187

[1] Included in "All other."

No. 179.—WOOD PULP: Number of Mills Reporting and Quantity of Pulp Produced, by States, 1917 to 1921.

[Source: Bureau of the Census, Department of Commerce.]

State.	Mills reporting.					Wood pulp produced.				
	1917	1918	1919	1920	1921	1917	1918	1919	1920	1921
						Tons.	*Tons.*	*Tons.*	*Tons.*	*Tons.*
Maine	33	33	34	35	32	898,798	872,779	916,764	942,730	710,329
Wisconsin	43	46	47	45	47	456,129	473,890	506,549	548,528	488,501
New York	79	75	84	78	82	798,616	749,176	811,958	830,045	606,869
Pennsylvania	14	14	14	14	13	215,060	195,451	215,686	238,013	167,310
New Hampshire	11	11	10	11	10	257,645	229,774	232,134	239,634	152,797
Michigan	11	12	12	12	12	96,623	101,036	106,194	132,776	103,532
Minnesota	6	6	6	6	7	140,353	121,444	129,560	170,216	117,934
Washington	3	3	4	5	5	93,576	68,618	83,575	95,465	95,161
West Virginia	5	5	5	4	4	54,813	48,261	39,195	35,821	27,623
Vermont	10	9	9	9	8	94,975	83,548	85,945	96,666	41,945
Massachusetts	4	4	4	4	4	30,802	30,674	32,611	34,687	22,064
California and Oregon	5	6	6	6	6	120,237	100,036	123,990	148,877	124,494
All other States[1]	22	26	23	24	24	243,312	239,174	233,791	308,246	217,042
Total	246	250	258	253	254	3,500,939	3,313,861	3,517,952	3,821,704	2,875,601

[1] Delaware, District of Columbia, Georgia, Louisiana, Maryland, Mississippi, North Carolina, Ohio, South Carolina, Tennessee, Texas, and Virginia.

No. 180.—WOOD PULP: Tons Produced, by Kinds, During Specified Calendar Years, 1899 to 1921.[1]

[Source: Forest Service, Department of Agriculture.]

Year.	Mechanical.	Sulphite.	Soda.	Sulphate.	Total.
	Short tons.[2]	*Short tons.*[2]	*Short tons.*[2]	*Short tons.*[2]	*Short tons.*[2]
1899	586, 374	416, 037	177, 114	.....	1, 179, 525
1904	968, 976	756, 022	196, 770	.....	1, 921, 768
1907	.....	.....	.....	.....	2, 547, 879
1908	.....	.....	.....	.....	2, 118, 947
1909	1, 179, 266	1, 017, 631	298, 626	.....	2, 495, 523
1910	.....	.....	.....	.....	2, 533, 976
1911	.....	.....	.....	.....	2, 686, 134
1914[3]	1, 293, 661	1, 151, 327	347, 928	52, 641	2, 893, 150
1916	1, 508, 139	1, 466, 402	387, 021	73, 439	3, 435, 001
1917	1, 535, 953	1, 451, 757	437, 430	84, 799	3, 509, 939
1918	1, 364, 504	1, 456, 633	350, 362	142, 362	3, 313, 861
1919[4]	1, 518, 829	1, 419, 829	411, 693	120, 378	3, 517, 952
1920	1, 583, 914	1, 585, 834	463, 305	188, 651	3, 821, 704
1921[5]	1, 267, 382	1, 166, 926	300, 533	140, 760	2, 875, 601

[1] The figures of this table do not precisely agree with those of the Federal Trade Commission as given in the following table, a condition likely to occur in the case of statistics collected by different offices.
[2] 2,000 pounds.
[3] Includes screenings, mechanical, 11,769 tons; chemical, not shown by process, 35,824 tons.
[4] Includes screenings, mechanical, 12,220 tons; chemical, not shown by process, 35,699 tons.
[5] Includes screenings, mechanical, 7,683 tons; chemical, 27,497 tons.

No. 181.—PULP, WOOD AND OTHER: Produced, Shipped, Used, and on Hand, by Kinds, Calendar Years 1921 and 1922,[1] with Totals 1918 to 1920.

[Source: The Federal Trade Commission.]

Kind.	On hand first of year.		Production for year.		Used during year.		Shipped during year.		On hand end of year.	
	1921	1922	1921	1922	1921	1922	1921	1922	1921	1922
	Short tons.	*Short tons.*	*Short tons.*	*Short tons.*	*Short tons.*	*Short tons.*	*Short tons.*	*Short tons.*	*Short tons.*	*Short tons.*
Ground wood pulp	129, 626	123, 080	1, 268, 012	1, 481, 935	1, 176, 899	1, 428, 631	97, 659	109, 991	123, 080	66, 393
Sulphite:										
News grade	17, 984	21, 240	623, 493	720, 103	530, 644	651, 926	89, 593	70, 433	21, 240	18, 984
Bleached	6, 661	6, 748	578, 081	477, 187	215, 323	308, 239	144, 653	163, 691	6, 748	12, 005
Easy bleaching	1, 134	868	62, 344	59, 950	39, 017	49, 633	23, 593	9, 630	868	1, 555
Mitscherlich	2, 768	1, 128	60, 005	74, 451	41, 365	47, 427	20, 280	26, 844	1, 128	1, 308
Sulphate pulp	7, 850	7, 657	148, 165	256, 107	114, 164	187, 023	34, 194	72, 097	7, 657	4, 644
Soda pulp	6, 507	9, 024	272, 287	383, 055	174, 102	235, 234	95, 668	149, 144	9, 024	7, 701
Other than wood pulp	119	178	7, 069	11, 470	6, 464	9, 451	546	1, 486	119	711
Total	172, 649	169, 923	2, 801, 438	3, 464, 258	2, 297, 978	2, 917, 564	506, 186	603, 316	169, 923	113, 301
1918	.....	190, 544	.....	3, 212, 398	.....	2, 552, 119	.....	685, 670	.....	165, 153
1919	.....	165, 153	.....	3, 384, 768	.....	2, 609, 822	.....	763, 598	.....	183, 826
1920	.....	180, 948	.....	3, 807, 656	.....	2, 973, 456	.....	840, 666	.....	172, 649

[1] The pulp used and the pulp shipped during each year represents pulp produced in the establishment using or shipping same. The annual totals do not always balance owing to corrections received from the mills in the matter of the stocks on hand from month to month. See note 1 in connection with the preceding table.

No. 182.—FINISHED PAPER PRODUCED, SHIPPED, AND ON HAND: BY KINDS, CALENDAR YEARS 1921 AND 1922, WITH TOTALS, 1918 TO 1920.

[Source: The Federal Trade Commission.]

Kind.	Finished paper in short tons.							
	On hand first of year.		Production for year.		Shipments for year.		On hand end of year.	
	1921	1922	1921	1922	1921	1922	1921	1922
	Short tons.	*Short tons.*	*Short tons.*	*Short tons.*	*Short tons.*	*Short tons.*	*Short tons.*	*Short tons.*
Newsprint (total)	24,763	23,934	1,226,189	1,447,688	1,227,018	1,452,414	23,934	19,208
Standard news[1]	19,573	19,607	1,130,943	1,342,307	1,130,909	1,346,786	19,607	15,128
Book paper	25,005	38,757	725,992	981,919	712,240	984,445	38,757	36,231
Paper board	53,104	63,018	1,664,931	2,153,835	1,655,017	2,162,160	63,018	63,018
Box board	25,451	31,964	1,122,336	1,571,036	1,215,823	1,577,549	31,964	31,964
Wrapping	35,800	48,848	651,605	836,271	638,557	839,271	48,848	83,402
Bag	*3,031*	*3,085*	*130,863*	*212,122*	*130,809*	*211,412*	*3,085*	*3,795*
Fine	30,312	34,000	242,485	361,050	238,797	358,308	34,000	36,742
Tissue	8,774	6,185	148,142	197,524	150,731	194,997	6,185	8,712
Hanging	3,027	7,782	69,725	91,894	64,970	96,841	7,782	2,835
Felts and building	13,420	8,472	286,111	420,119	291,059	420,479	8,472	8,112
Other grades	17,160	19,563	210,274	311,433	207,871	307,949	19,563	23,047
Total, paper of all grades	214,396	253,644	5,356,317	7,017,800	5,317,069	7,032,221	253,674	276,777
1918	.....	238,113	.....	6,051,523	.....	6,089,776	.....	199,860
1919	.....	199,860	.....	6,190,361	.....	6,225,904	.....	164,317
1920	.....	164,317	.....	7,334,614	.....	7,284,535	.....	214,396

[1] Duplications caused by the inclusion of "Standard news" under total "Newsprint" and "Box board" under "Paper board" prevent the addition of the kinds agreeing with the total.

No. 183.—PRODUCTION OF GUM TURPENTINE AND GUM ROSIN, 1911 TO 1921.[1]

[Source: Bulletin 898 of the Department of Agriculture.]

Season.[2]	Turpentine.	Rosin.	Season.[2]	Turpentine.	Rosin.
	Casks.[3]	*Barrels.*[4]		*Casks.*[3]	*Barrels.*[4]
1911–12	638,000	2,125,000	1916–17	535,000	1,782,000
1912–13	680,000	2,267,000	1917–18	474,000	1,531,000
1913–14	640,000	2,132,000	1918–19[6]	341,000	1,115,000
1914–15[5]	512,000	1,706,000	1919–20	366,000	1,237,000
1915–16	470,000	1,565,000	1920–21	489,000	1,577,000

[1] Figures not otherwise noted are credited to the Savannah Naval Stores Review.
[2] Apr. 1 to Mar. 31.
[3] Of 50 gallons each.
[4] Of approximately 500 pounds gross.
[5] Census figures for 1914–15 are 540,000 casks for turpentine and 1,620,000 barrels for rosin, but when combined with those for wood turpentine and wood rosin they stand at 553,000 casks and 1,649,000 barrels, respectively.
[6] Figures of the Department of Agriculture. Its figures for turpentine and rosin when combined with wood turpentine and wood rosin are 373,000 casks and 1,238,000 barrels, respectively, for 1918–19, 396,000 casks and 1,395,000 barrels for 1919–20, and 524,000 casks and 1,757,000 barrels for 1920–21.

No. 184.—SPINDLES, RAW COTTON AND LINTERS CONSUMED, AND STOCKS HELD IN CONSUMING ESTABLISHMENTS: 1906 TO 1922.

[Source: Bureau of the Census, Department of Commerce. Statistics for 1915 to 1922 relate to the 12 months ended July 31, and those for prior years to the 12 months ended Aug. 31.]

Year.	Cotton spindles.		Spindles consuming cotton mixed with other fibers.	Cotton (exclusive of linters).				Linters.	
	Total.	Active.		Consumed (bales).		Stocks in consuming establishments at end of year (bales).		Consumed (bales).	Stocks in consuming establishments at end of year (bales).
				Total.	Foreign.	Total.	Foreign.		
1922	36,945,554	35,707,738	313,771	5,909,820	296,827	1,218,388	91,241	639,033	138,523
1921	36,617,584	36,047,367	336,160	4,892,672	215,781	1,111,147	89,974	516,307	201,353
1920	35,834,463	35,480,953	401,718	6,419,734	416,741	1,358,147	149,656	342,473	277,218
1919	35,443,156	34,930,934	428,653	5,765,936	176,116	1,303,418	50,648	457,901	266,539
1918	34,940,830	34,542,665	446,503	6,566,489	183,794	1,465,223	62,684	1,118,840	138,108
1917	34,221,252	33,888,835	452,525	6,788,505	318,261	1,501,916	94,311	869,702	112,972
1916	33,333,176	32,805,883	405,000	6,397,613	316,995	1,632,245	142,518	880,916	100,441
1915	32,840,730	31,964,235	394,505	5,597,362	222,057	1,401,185	108,782	411,845	198,905
1914	32,744,012	32,107,572	414,058	5,577,408	194,309	675,873	64,149	307,325	75,346
1913	32,149,617	31,519,766	454,733	5,483,321	232,929	717,704	79,979	303,009	60,454
1912	31,582,679	30,578,528	500,206	5,129,346	207,663	818,024	84,776	238,237	52,622
1911	30,803,662	29,522,597	456,242	4,498,417	175,430	498,769	81,424	206,561	43,422
1910	28,929,093	28,266,862	.....	4,621,742	155,774	493,010	42,337	177,211	40,222
1909	28,573,435	28,018,305	558,792	5,091,534	161,738	868,909	65,563	149,185	38,188
1908	27,964,387	27,505,422	602,340	[1] 4,539,090	149,628	[1] 594,184	62,303	(1)	(1)
1907	26,939,415	26,375,191	651,251	[1] 4,984,936	140,368	[1] 1,016,738	79,820	(1)	(1)
1906	25,811,681	25,250,096	.....	[1] 4,909,279	138,475	[1] 680,471	40,118	(1)	(1)

[1] Linters consumed and on hand included under "Cotton." Separate statistics not available.

No. 185.—COTTON SPINDLES AND RAW COTTON AND LINTERS CONSUMED, BY STATES: YEARS ENDING JULY 31, 1915, 1918, 1921, AND 1922.

[Source: Bureau of the Census, Department of Commerce.]

State.	Cotton spindles, total.				Active spindles.	Cotton consumed, including linters (bales).			
	1915	1918	1921	1922	1922	1915	1918	1921	1922
Ala	1,075,859	1,169,624	1,283,096	1,300,699	1,281,861	301,545	386,845	314,033	382,741
Conn	1,335,282	1,376,554	1,388,949	1,364,656	1,318,860	155,076	158,267	108,268	129,767
Ga	2,178,573	2,482,131	2,648,325	2,679,374	2,598,070	673,226	880,395	629,124	805,847
Ill	58,168	63,168	62,168	57,432	57,432	38,477	24,887	65,890	85,667
Ind	94,032	85,576	84,256	83,256	79,256	27,942	23,045	22,118	25,406
Ky	93,828	91,528	95,538	95,706	93,184	29,686	23,261	27,700	28,809
La	79,763	96,832	103,128	103,128	97,128	28,575	37,943	43,014	46,429
Me	1,104,209	1,096,255	1,126,452	1,146,440	1,121,527	176,256	185,556	153,495	162,926
Md	157,380	153,531	142,792	130,024	112,936	71,358	73,084	43,791	44,617
Mass	10,914,087	11,512,247	11,810,563	11,922,573	11,235,406	1,303,520	1,493,113	930,217	1,150,199
Miss	184,636	166,932	176,778	172,612	172,612	32,386	60,942	34,078	48,090
N. H	1,468,399	1,462,462	1,457,428	1,448,660	1,376,483	297,040	310,478	220,252	175,983
N. J	481,255	487,755	424,145	433,983	424,591	78,477	94,967	51,892	65,643
N. Y	963,748	983,893	1,017,163	1,019,528	963,583	228,903	250,500	167,230	239,885
N. C	3,915,842	4,591,026	5,228,266	5,292,880	5,251,467	913,912	1,186,314	930,349	1,207,083
Pa	259,965	262,896	268,878	236,263	185,550	71,683	78,752	129,646	92,375
R. I	2,567,644	2,683,451	2,805,538	2,829,202	2,746,721	252,938	483,292	222,442	221,741
S. C	4,710,826	4,903,840	5,013,538	5,090,088	5,081,609	817,749	892,532	774,784	923,500
Tenn	322,052	367,503	415,593	427,832	424,560	97,664	140,918	86,701	124,081
Tex	124,848	132,236	166,468	168,192	168,192	62,680	83,389	79,205	93,111
Vt	136,304	135,864	144,808	144,808	144,808	12,390	12,228	10,160	12,537
Va	513,434	524,194	588,982	633,870	628,538	97,714	653,414	145,878	206,417
All other	100,596	111,332	164,732	164,348	148,364	240,010	151,207	218,712	275,999
Total	32,840,730	34,940,830	36,617,584	36,945,554	35,707,738	6,009,207	7,685,329	5,408,979	6,548,853

No. 186.—WOOL MACHINERY: AVERAGE NUMBER OF LOOMS AND SPINNING SPINDLES, WITH PERCENTAGES IDLE, YEARS ENDED NOVEMBER 30, 1913 TO 1921, AND MONTHS JANUARY, 1922, TO FEBRUARY, 1923, INCLUSIVE.[1]

[Source: Survey of Current Business, Bureau of the Census, Department of Commerce.]

Year and month.	Looms.						Spinning spindles.			
	Wider than 50-inch reed space.		50-inch reed space or less.		Carpet and rug.		Woolen.		Worsted.	
	Total number.	Per cent idle.	Total number.	Per cent idle.	Total number.	Per cent idle.	Total number (thousands).	Per cent idle.	Total number (thousands).	Per cent idle.
1913	39,254	20	11,984	27	2,683	32	906	23	1,592	26
1914	36,658	27	10,817	23	2,467	33	986	22	1,476	23
1915	38,382	30	10,743	30	3,336	29	1,093	15	1,611	26
1916	39,343	14	15,908	8	3,175	20	1,090	11	1,697	10
1917	42,491	14	13,384	12	3,668	26	1,263	7	1,720	15
1918	46,161	12	13,404	14	4,534	39	1,633	9	1,872	20
1919	60,187	22	18,374	24	7,930	46	2,153	19	2,290	23
1920	61,465	32	18,139	27	8,559	32	2,250	28	2,331	22
1921	62,357	31	18,051	32	8,626	45	2,299	31	2,369	19
1922:										
January	62,652	34	18,395	27	8,854	22	2,288	27	2,436	14
February	63,001	32	18,462	27	8,807	21	2,352	20	2,378	14
March	62,928	35	18,475	28	8,962	21	2,312	18	2,456	25
April	62,811	40	18,455	36	8,973	21	2,319	17	2,592	38
May	62,931	37	18,398	35	8,970	22	2,309	14	2,462	33
June	62,906	36	18,188	33	9,068	22	2,308	14	2,482	32
July	62,828	37	18,381	34	9,152	22	2,305	16	2,470	32
August	62,788	35	18,172	33	9,161	21	2,308	17	2,487	25
September	63,448	28	18,018	24	9,150	18	2,317	15	2,518	19
October	63,567	23	18,025	21	9,276	17	2,321	16	2,522	11
November	63,733	19	17,667	18	9,265	16	2,323	16	2,526	10
December	63,630	19	17,532	17	9,236	15	2,315	16	2,531	11
1923:										
January	63,397	19	17,251	14	9,217	14	2,294	15	2,554	11
February	61,491	17	17,267	14	9,335	15	2,305	13	2,476	9

[1] The number of reporting concerns varies from month to month, but the Bureau of the Census states that they represent practically 100 per cent of the wool manufacturing establishments of the country. The total number of looms and spindles reported in the earlier years does not represent the totals for the country but only such as furnished reports. Assuming that these were a fair sample of all machines, they furnish a basis to calculate the proportion of active machinery each year. The 1913 figures were collected by the National Association of Wool Manufacturers.

No. 187.—BUILDING OPERATIONS: NUMBER OF PERMITS AND COST OF BUILDINGS, BY PRINCIPAL CITIES, CALENDAR YEARS 1915, 1919, 1920, AND 1921.

[Source: Report of the Bureau of Labor Statistics, Department of Labor.]

City.	1915		1919		1920		1921[1]	
	Permits or buildings.	Cost.	Permits or buildings.	Cost.	Total permits.	Cost.	Total permits.	Cost.
		1,000 dollars.		*1,000 dollars.*		*1,000 dollars.*		*1,000 dollars.*
Akron, Ohio	2,532	6,031	6,894	27,219	4,253	20,348	2,374	3,801
Albany, N. Y	677	3,570	2,162	2,730	2,057	3,903	2,175	4,211
Allentown, Pa	679	1,477	619	2,737	662	2,710	852	1,814
Altoona, Pa	828	777	926	1,046	807	1,586	1,621	1,735
Atlanta, Ga	2,752	4,589	3,022	10,443	2,617	13,373	3,840	11,237
Atlantic City, N. J	1,808	2,144	1,149	4,064	1,442	16,074	1,898	7,876
Augusta, Ga	1,115	658	.....	.....	1,815	1,840	711	1,320
Baltimore, Md	1,957	9,542	5,554	17,575	16,293	30,630	17,727	37,593
Bayonne, N. J	491	995	301	1,924	409	3,079	566	2,632
Berkeley, Calif	1,102	2,593	1,105	1,801	1,289	3,080	1,702	3,197
Binghamton, N. Y	1,307	1,519	2,536	1,672	2,387	1,462	1,343	1,995
Birmingham, Ala	4,521	1,886	4,133	3,886	4,168	4,276	5,182	6,436
Boston, Mass	6,328	29,114	6,042	23,521	6,426	28,168	9,453	25,602
Bridgeport, Conn	1,635	8,790	1,464	4,849	1,206	5,288	1,099	3,111
Brockton, Mass	553	1,134	606	1,156	685	1,526	837	1,685
Brookline, Mass	.....	.....	.....	.....	273	2,515	359	3,374
Buffalo, N. Y	4,809	11,798	5,886	13,033	4,563	13,522	6,290	19,759
Cambridge, Mass	627	3,384	754	3,593	876	5,211	1,018	1,866
Camden, N. J	1,346	2,334	1,236	3,421	949	2,792	1,178	1,908
Canton, Ohio	727	2,005	2,018	6,040	1,763	3,210	2,066	3,816
Charleston, S. C	438	375	416	937	566	3,290	472	1,353
Chattanooga, Tenn	2,525	614	2,161	1,600	2,037	2,883	2,293	2,467
Chester, Pa	295	772	560	1,277	448	1,999	328	787
Chicago, Ill	10,340	97,291	6,589	104,199	7,246	84,603	25,800	133,028
Chicopee, Mass	.....	.....	.....	.....	305	1,528	410	1,019
Cincinnati, Ohio	4,797	13,443	4,734	9,059	3,306	10,899	6,145	15,579
Cleveland, Ohio	14,451	32,660	12,283	47,708	11,320	64,199	15,806	86,680
Columbus, Ohio	2,836	4,928	3,436	6,346	2,873	10,257	4,750	9,265
Council Bluffs, Iowa	.....	.....	.....	.....	497	1,612	785	2,132
Covington, Ky	335	456	253	496	348	515	625	1,293
Dallas, Tex	(2)	3,423	1,594	14,696	2,567	13,421	4,455	14,800
Dayton, Ohio	1,234	3,535	1,271	3,695	2,045	5,882	2,741	6,055
Denver, Colo	3,085	2,649	3,036	6,780	2,903	7,143	5,583	9,978
Des Moines, Iowa	771	1,968	1,220	5,266	928	4,318	1,348	3,723
Detroit, Mich	8,966	32,236	2,143	82,995	10,423	77,737	17,615	58,086
Dubuque, Iowa	312	970	257	1,142	216	371	339	1,323
Duluth, Minn	1,816	2,714	2,066	5,453	1,968	6,990	2,633	3,724
East Orange, N. J	.....	.....	.....	.....	685	2,936	969	3,473
East St. Louis, Ill	487	1,253	446	1,493	436	1,872	856	1,467
Elizabeth, N. J	458	1,363	833	5,449	612	2,835	876	3,677
El Paso, Tex	1,540	3,612	1,269	2,256	725	3,337	1,614	4,616
Everett, Mass	.....	.....	.....	.....	355	816	451	548
Fall River, Mass	704	1,825	567	1,415	687	3,749	807	1,694
Fitchburg, Mass	259	703	342	1,066	322	1,722	445	482
Flint, Mich	1,743	2,105	4,772	13,657	4,325	10,544	2,827	2,695
Fort Wayne, Ind	702	2,009	771	2,229	894	2,930	1,529	4,800
Fort Worth, Tex	681	1,167	2,010	18,658	2,234	10,373	2,206	4,486
Galveston, Tex	3,692	2,312	5,846	663	3,562	669	4,745	1,575
Gary, Ind	.....	.....	.....	.....	737	3,280	902	2,794
Grand Rapids, Mich	1,909	2,684	1,808	3,784	1,779	4,449	3,095	5,635
Hamilton, Ohio	.....	.....	.....	.....	588	1,464	549	1,072
Harrisburg, Pa	607	1,429	712	2,734	446	1,455	652	5,696
Hartford, Conn	1,403	5,576	1,552	9,084	1,505	20,691	2,291	7,548
Haverhill, Mass	414	1,402	305	1,325	358	1,137	389	775
Hoboken, N. J	195	802	243	938	220	1,975	262	550
Holyoke, Mass	202	928	364	1,336	361	3,452	364	1,066
Houston, Tex	4,314	2,426	1,432	6,281	1,404	7,830	2,812	9,477
Indianapolis, Ind	6,177	7,084	7,454	12,795	6,689	14,594	10,136	18,330
Jackson, Miss	.....	.....	.....	.....	1,097	1,223	664	1,319
Jacksonville, Fla	640	1,658	2,528	3,643	480	2,921	2,940	5,086

[1] Number and cost of installation permits included in 1921. No data obtained in 1920.
[2] Not reported.

No. 187.—Building Operations: Number of Permits and Cost of Buildings, by Principal Cities, Calendar Years 1915, 1919, 1920, and 1921—Continued.

City.	1915		1919		1920		1921	
	Permits or buildings.	Cost.	Permits or buildings.	Cost.	Total permits.	Cost.	Total permits.	Cost.
		1,000 dollars.		*1,000 dollars.*		*1,000 dollars.*		*1,000 dollars.*
Jersey City, N. J	1,306	5,352	1,008	4,558	1,156	7,459	1,806	12,603
Johnstown, Pa	.....	.....	.....	.....	770	6,000	601	8,726
Kalamazoo, Mich	226	359	320	1,219	483	1,396	904	1,337
Kansas City, Kans	748	963	491	1,640	453	1,280	907	1,717
Kansas City, Mo	3,517	10,667	1,900	9,545	4,416	13,522	4,385	15,740
Kenosha, Wis	.....	.....	.....	.....	1,466	2,573	845	1,370
Knoxville, Tenn	669	493	1,031	2,654	991	2,469	1,430	2,665
Lakewood, Ohio	.....	.....	.....	.....	805	4,339	1,199	5,355
Lancaster, Pa	428	897	370	1,150	412	1,274	505	1,329
Lansing, Mich	.....	.....	.....	.....	1,332	2,075	1,642	2,400
Lawrence, Mass	349	1,496	503	1,738	501	2,549	661	3,046
Lincoln, Nebr	567	1,697	674	2,052	536	2,110	732	1,715
Little Rock, Ark	.....	.....	1,179	2,755	1,803	3,738	2,461	3,497
Los Angeles, Calif	7,845	11,889	13,209	28,226	25,555	60,024	37,206	82,761
Louisville, Ky	2,432	4,055	2,163	4,141	2,493	6,986	8,636	8,171
Lowell, Mass	732	1,231	1,059	3,353	924	4,981	1,189	1,454
Lynn, Mass	660	1,686	711	1,949	694	1,027	867	1,356
McKeesport, Pa	159	560	.....	.....	254	818	369	744
Macon, Ga	643	977	845	985	744	1,421	779	926
Malden, Mass	376	894	451	713	442	1,149	590	1,248
Manchester, N. H	1,148	2,598	891	1,785	790	2,613	968	1,214
Medford, Mass	.....	.....	.....	.....	375	1,463	586	1,526
Memphis, Tenn	2,303	2,730	1,974	7,519	1,563	6,173	3,184	9,377
Milwaukee, Wis	3,882	11,564	4,388	20,006	4,329	14,846	31,211	25,510
Minneapolis, Minn	6,831	16,350	6,704	17,309	6,666	15,915	6,797	22,696
Mobile, Ala	145	103	189	699	167	613	256	735
Montgomery, Ala	544	385	.....	.....	1,203	469	1,328	1,759
Mount Vernon, N. Y	.....	.....	.....	.....	473	2,156	810	3,596
Nashville, Tenn	.....	.....	1,962	2,160	1,776	1,946	3,442	3,302
Newark, N. J	2,547	7,912	3,182	20,103	2,625	22,598	3,901	18,978
New Bedford, Mass	1,012	3,127	762	7,005	749	6,186	882	5,817
New Britain, Conn	633	1,481	1,054	2,807	785	2,572	804	1,596
New Haven, Conn	1,524	7,105	1,758	8,911	1,369	5,134	1,655	6,388
New Orleans, La	1,334	2,950	1,065	5,249	1,540	10,928	2,941	8,738
New Rochelle, N. Y	.....	.....	.....	.....	431	2,589	821	3,210
New York, N. Y	22,229	148,626	.....	.....	.....	.....	.....	.....
Borough of Brooklyn	.....	.....	17,890	77,280	14,738	68,116	19,670	126,848
Borough of Bronx	.....	.....	3,888	23,386	1,810	21,493	7,837	75,668
Borough of Manhattan	.....	.....	3,962	106,773	4,791	139,200	4,350	144,606
Borough of Queens	.....	.....	8,910	46,023	10,242	42,640	17,659	85,756
Borough of Richmond	.....	.....	2,840	4,295	2,700	6,246	4,143	10,747
Niagara Falls, N. Y	.....	.....	.....	.....	730	3,674	991	3,358
Norfolk, Va	674	1,866	1,458	7,969	1,029	4,641	1,145	5,052
Oakland, Calif	3,352	5,045	4,059	7,135	4,442	9,402	7,043	15,790
Oak Park, Ill	.....	.....	.....	.....	792	2,059	1,284	6,801
Oklahoma City, Okla	437	1,167	1,641	9,040	1,674	6,051	2,781	7,800
Omaha, Nebr	1,351	5,385	1,959	9,023	1,359	11,436	1,958	11,386
Passaic, N. J	320	1,074	349	1,791	338	1,594	981	2,783
Paterson, N. J	1,063	1,694	1,536	4,600	1,511	3,686	2,113	4,932
Peoria, Ill	640	4,091	919	7,050	1,040	1,684	1,035	2,558
Philadelphia, Pa	13,884	35,011	14,509	65,089	9,993	54,174	14,654	42,775
Pittsburgh, Pa	3,916	14,227	4,832	14,732	3,989	16,555	5,147	23,477
Portland, Me	519	1,557	727	2,062	639	1,392	914	1,638
Portland, Oreg	4,623	4,895	8,922	9,841	9,988	11,850	14,677	14,819
Portsmouth, Va	.....	.....	.....	.....	428	683	527	999
Providence, R. I	3,848	7,024	3,406	8,077	4,073	10,034	5,470	13,647
Pueblo, Colo	165	220	562	676	610	739	1,149	1,166
Quincy, Ill	79	421	53	616	21	269	54	300
Reading, Pa	494	1,227	2,381	2,263	2,564	3,342	.....	.....
Richmond, Va	1,710	3,245	2,339	8,770	2,038	6,919	2,876	9,277
Rochester, N. Y	3,391	9,108	3,525	9,642	3,322	9,907	5,531	15,941

No. 187.—BUILDING OPERATIONS: NUMBER OF PERMITS AND COST OF BUILDINGS, BY PRINCIPAL CITIES, CALENDAR YEARS 1915, 1919, 1920, AND 1921—Continued.

City.	1915		1919		1920		1921	
	Permits or buildings.	Cost.	Permits or buildings.	Cost.	Total permits.	Cost.	Total permits.	Cost.
		1,000 dollars.		*1,000 dollars.*		*1,000 dollars.*		*1,000 dollars.*
Rockford, Ill	.....	.....	.....	.....	1,429	2,416	1,350	1,998
Sacramento, Calif	1,311	1,396	1,229	2,055	1,733	3,517	2,664	4,771
Saginaw, Mich	(2)	999	1,882	3,880	2,175	2,697	1,957	3,045
St. Joseph, Mo	469	943	559	1,094	702	2,166	44	34
St. Louis, Mo	9,052	11,434	7,923	20,538	8,700	17,694	11,044	14,502
St. Paul, Minn	2,688	9,237	4,159	19,259	2,684	9,283	5,196	14,185
Salem, Mass	646	3,941	476	859	671	518	898	1,143
Salt Lake City, Utah	1,225	2,251	1,118	4,060	810	3,839	1,456	4,710
San Diego, Calif	1,495	1,249	1,527	2,856	2,402	3,442	4,002	8,228
San Francisco, Calif	6,461	13,991	5,363	15,163	5,626	26,731	6,313	22,245
Savannah, Ga	727	2,181	568	1,766	507	4,021	710	2,200
Scranton, Pa	784	1,684	381	1,088	551	3,017	627	2,353
Seattle, Wash	8,217	6,457	12,993	15,576	9,702	13,631	10,845	12,816
Shreveport, La	.....	.....	.....	.....	2,277	5,687	2,963	3,916
Somerville, Mass	480	1,854	441	773	394	1,389	676	1,838
Spokane, Wash	857	1,201	1,509	1,690	1,621	3,036	2,593	2,124
Springfield, Mass	1,495	6,066	1,593	5,880	1,409	6,675	1,954	5,670
Stockton, Calif	.....	.....	.....	.....	855	2,248	1,010	1,935
Superior, Wis	821	920	1,050	1,724	750	1,616	898	887
Syracuse, N. Y	1,934	4,693	2,281	6,123	2,181	6,916	2,918	5,829
Tacoma, Wash	1,216	790	3,045	2,516	3,063	4,671	4,556	4,593
Tampa, Fla	1,731	1,396	1,043	1,203	1,067	2,664	.....	.....
Toledo, Ohio	.....	.....	3,650	7,899	2,881	6,732	4,111	7,789
Trenton, N. J	892	2,648	1,026	3,323	1,267	6,420	1,520	3,306
Washington, D. C	4,428	9,749	7,255	20,666	4,342	17,893	8,055	26,931
Waterbury, Conn	748	2,600	1,482	4,768	990	3,969	934	3,152
West Hoboken, N. J	172	345	400	400	194	768	207	458
Wheeling, W. Va	669	586	593	474	589	1,082	963	1,247
Wichita, Kans	274	965	1,211	4,850	1,777	3,875	3,013	7,402
Wilkes-Barre, Pa	1,085	1,077	672	834	578	1,348	829	1,639
Wilmington, Del	723	1,525	.....	.....	1,158	3,666	1,033	2,144
Worcester, Mass	1,794	4,526	2,219	5,925	2,201	6,748	2,507	6,496
Yonkers, N. Y	545	2,831	469	2,714	654	4,836	852	4,598
York, Pa	621	311	541	652	730	701	1,021	936
Youngstown, Ohio	1,108	2,574	2,141	6,990	1,337	3,296	1,606	4,551

[2] Not reported.

No. 188.—PATENTS: Comparative Statement of the Business of the United States Patent Office, 1896 to 1922.

[Source: Reports of the Commissioner of Patents, Department of the Interior.]

Calendar year.	Applications.	Caveats filed.	Patents and reissues.	Cash received.	Cash expended.	Surplus.
				Dollars.	*Dollars.*	*Dollars.*
1896	43,982	2,271	23,373	1,324,059.83	1,113,413.71	210,646.12
1897	47,905	2,176	23,794	1,375,641.72	1,122,843.13	252,798.59
1898	35,842	1,659	22,267	1,137,734.48	1,136,196.20	1,538.28
1899	41,443	1,716	25,527	1,325,457.03	1,211,783.73	113,673.30
1900	41,980	1,731	26,499	1,350,828.53	1,260,019.62	90,808.91
1901	46,449	1,842	27,373	1,449,398.16	1,297,385.64	152,012.52
1902	49,641	1,851	27,886	1,552,859.08	1,393,345.54	159,513.54
1903	50,213	1,771	31,699	1,642,201.81	1,448,645.81	193,556.00
1904	52,143	1,808	30,934	1,657,326.53	1,476,000.38	181,326.15
1905	54,971	1,896	30,399	1,806,758.14	1,479,633.22	327,124.92
1906	56,482	1,885	31,965	1,790,921.38	1,554,891.20	236,030.18
1907	58,762	1,967	36,620	1,910,618.14	1,631,458.36	279,159.78
1908	61,475	2,110	33,682	1,896,847.67	1,712,303.42	184,544.25
1909	65,839	1,948	37,421	2,042,828.14	1,955,151.14	87,677.00
1910	64,629	970	35,930	2,025,536.69	2,005,711.94	19,824.75
1911[1]	67,370	.....	34,084	2,019,388.03	1,953,689.91	65,698.12
1912	70,976	.....	37,731	2,101,199.90	2,022,066.11	79,133.79
1913	70,367	.....	35,788	2,084,417.79	1,947,383.28	137,034.51
1914	70,404	.....	41,850	2,251,892.82	2,000,770.12	251,122.70
1915	70,069	.....	44,934	2,290,773.47	2,053,442.15	237,331.32
1916	71,033	.....	45,927	2,343,540.94	2,115,367.91	228,173.03
1917	70,373	.....	42,760	2,258,377.10	2,048,173.16	210,203.94
1918	59,615	.....	39,941	1,977,518.82	2,050,938.17	73,419.35
1919	80,400	.....	38,598	2,417,071.77	2,310,420.02	106,651.75
1920	86,815	.....	39,882	2,679,948.31	2,572,097.56	107,850.75
1921	93,328	.....	41,401	2,775,982.33	2,612,429.48	163,552.85
1922	88,930	.....	40,297	3,013,954.43	2,954,697.07	59,257.36

[1] No caveats filed after June 30, 1910; law repealed.

No. 189.—PATENTS AND TRADE-MARKS: Number of Patents, Trade-Marks, and Labels Issued, 1896 to 1923.

[Source: Reports of the Commissioner of Patents, Department of the Interior.]

Calendar year.	Number of first patent and certificate issued in each calendar year.					Number of patents and certificates of registration issued during each calendar year.						
	Patent.	Design.	Reissue.	Trade-mark.	Label.	Patents.	Designs.	Reissues.	Total patents.	Trade-marks.	Labels and prints.	Total certificates.
1896	552502	25037	11520	27586	6546	21,867	1,445	61	23,273	1,813	33	1,846
1897	574369	26482	11581	29399	6547	22,098	1,631	65	23,794	1,671	30	1,701
1898	596467	28113	11646	31070	6561	20,404	1,803	60	22,267	1,238	235	1,473
1899	616871	29916	11706	32308	6761	23,296	2,139	92	25,527	1,649	611	2,260
1900	640167	32055	11798	33957	7272	24,660	1,758	81	26,499	1,721	830	2,551
1901	664827	33813	11879	35678	8009	25,558	1,734	81	27,373	1,928	1,037	2 965
1902	690385	35547	11960	37606	8887	27,136	640	110	27,886	2,006	925	2,931
1903	717521	36187	12070	39612	9654	31,046	536	117	31,699	2,186	1,260	3,446
1904	748567	36723	12189	41798	10644	30,267	557	110	30,934	2,158	1,411	3,569
1905	778834	37280	12299	43956	11758	29,784	486	129	30,399	4,490	1,189	5,679
1906	808618	37766	12428	48446	12588	31,181	625	159	31,965	10,568	1,365	11,933
1907	839799	38391	12587	59014	13297	35,880	589	151	36,620	7,878	982	8,860
1908	875679	38980	12738	66892	13964	32,757	757	168	33,682	5,191	838	6,029
1909	908436	39737	12906	72083	14582	36,574	687	160	37,421	4,184	640	4,824
1910	945010	40424	13066	76267	15074	35,168	639	123	35,930	4,239	490	4,729
1911	980178	41063	13189	80506	15444	32,917	1,010	157	34,084	4,205	907	5,112
1912	1013095	42073	13346	84711	16108	36,231	1,342	158	37,731	5,020	876	5,896
1913	1049326	43415	13504	89731	16736	33,941	1,683	164	35,788	5,065	998	6,063
1914	1083267	45098	13668	94796	17444	39,945	1,715	190	41,850	6,817	1,057	7,874
1915	1123212	46813	13858	101613	18163	43,207	1,545	182	44,934	6,262	1,174	7,437
1916	1166419	48358	14040	107875	18966	43,970	1,759	198	45,927	6,791	1,296	8,087
1917	1210389	50117	14238	114666	19830	41,069	1,512	179	42,760	5,339	858	6,197
1918	1251458	51629	14417	120005	20443	38,569	1,207	165	39,941	4,061	851	4,912
1919	1290027	52836	14582	124066	21096	36,872	1,523	203	38,598	4,208	666	4,874
1920	1326899	54359	14785	128274	21617	37,164	2,485	233	39,882	10,282	1,012	11,294
1921	1364063	56844	15018	138556	22377	37,885	3,277	239	41,401	11,654	1,951	13,605
1922	1401948	60121	15257	150210	23862	38,414	1,627	256	40,297	12,793	2,199	14,992
1923	1440362	61748	15513	163003	25474	.....	.....	.....	.....	.....	.....	.....

INDUSTRIAL ACCIDENTS AND FATALITIES.

No. 190.—FATALITIES IN COAL MINES: BY STATES, CALENDAR YEARS 1910 TO 1922.

[Source: Bureau of Mines, Department of the Interior.]

State.	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922
Alabama	238	209	123	124	128	63	119	108	110	93	76	80	183
Alaska and California	.....	.....	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Arkansas	14	12	6	12	11	8	7	17	13	10	9	17	6
Colorado	323	88	96	108	75	63	43	188	71	91	70	52	75
Georgia and North Carolina	.....	.....	2	3	1	.....	1	1	2	.....	.....	.....	1
Illinois	143	172	163	164	193	136	128	233	238	169	207	193	125
Indiana	51	46	35	66	44	46	51	76	100	83	88	64	49
Iowa	33	38	19	26	37	34	31	36	31	17	25	22	19
Kansas	17	42	30	28	33	24	54	30	32	25	26	14	9
Kentucky	86	44	51	48	61	64	75	142	77	84	123	128	125
Maryland	18	15	15	13	18	10	32	21	17	5	7	7	3
Michigan	6	7	8	3	2	7	2	4	12	3	6	3	3
Missouri	14	8	19	10	19	17	6	11	13	10	11	12	6
Montana	12	14	7	20	8	13	16	23	17	11	14	13	10
New Mexico	16	11	16	272	18	19	19	16	31	25	33	13	21
North Dakota	2	1	.....	6	3	1	1	3	.....	4	3	4	4
Ohio	159	107	135	165	64	67	108	108	149	142	136	109	96
Oklahoma	39	27	99	23	31	22	26	37	31	36	41	20	20
Oregon	.....	1	1	.....	1	.....	3	.....	.....	.....	.....	1	.....
Pennsylvania (anthracite)	601	699	601	618	595	586	555	582	551	635	491	547	297
Pennsylvania (bituminous)	521	515	446	609	402	438	433	495	491	399	427	286	434
Tennessee	38	111	18	35	26	25	15	28	14	27	21	12	28
Texas	7	8	2	4	11	1	2	1	7	3	5	2	4
Utah	18	13	19	17	22	11	23	22	19	27	35	15	22
Virginia	57	68	75	24	27	48	53	63	43	34	26	17	25
Washington	43	27	14	22	17	46	21	30	33	19	18	7	22
West Virginia	329	341	381	337	556	494	372	384	437	332	324	320	361
Wyoming	36	32	36	26	51	26	30	37	41	33	49	29	23
Total killed	2,821	2,656	2,419	2,785	2,454	2,269	2,226	2,696	2,580	2,317	2,271	1,987	1,971
Number killed per 1,000 men employed (300-day workers)	5.31	4.97	4.46	4.70	4.66	4.44	3.93	4.25	3.94	4.27	3.78	4.19	(1)

[1] Figures not available.

No. 191.—FATALITIES IN AND ABOUT COAL MINES: NUMBER OF MEN KILLED, BY LOCALITIES AND CAUSES, CALENDAR YEARS 1919 TO 1922.

[Source: Bureau of Mines, Department of the Interior.]

Locality and cause.	Number killed.				Percentage of grand total.			
	1919	1920	1921	1922	1919	1920	1921	1922
Killed underground:								
Falls of roof (coal, rock, etc.)	946	1,004	924	780	40.83	44.21	46.50	39.57
Falls of face or pillar coal	154	128	100	120	6.65	5.64	5.03	6.09
Mine cars and locomotives	381	408	341	340	16.44	17.97	17.16	17.25
Gas explosions and burning gas	144	130	96	135	6.21	5.72	4.83	6.85
Coal-dust explosions	47	34	20	176	2.03	1.50	1.01	8.93
Explosives (includes premature blasts, explosion of misfires, suffocation by gases from explosives, flying pieces from blasts, etc.)	206	128	152	91	8.89	5.64	7.65	4.62
Suffocation from mine gases	11	18	9	9	.47	.79	.45	.46
Electricity (shock or burns)	69	76	80	74	2.98	3.35	4.03	3.75
Animals	2	4	7	5	.09	.17	.35	.25
Mining machines	26	37	18	20	1.12	1.63	.91	1.02
Mine fires (burned, suffocated, etc.)	22	8	9	.....	.95	.35	.45	.....
Other causes	69	45	75	42	2.98	1.98	3.78	2.13
Total	2,077	2,020	1,831	1,792	89.64	88.95	92.15	90.92
Killed in shaft:								
Falling down shafts or slopes	20	27	18	14	.87	1.19	.91	.71
Objects falling down shafts or slopes	6	8	9	4	.26	.35	.45	.20
Cages or skips	21	19	9	20	.90	.83	.45	1.02
Other causes	6	2	.....	3	.26	.09	.....	.15
Total	53	56	36	41	2.29	2.46	1.81	2.08
Killed on the surface:								
Mine cars and mine locomotives	71	54	25	32	3.06	2.38	1.26	1.62
Electricity (shock or burns)	10	17	17	9	.43	.75	.86	.46
Machinery	22	25	16	20	.95	1.10	.80	1.01
Boiler explosions or bursting steam pipes	6	4	1	3	.26	.17	.05	.15
Railway cars and locomotives	22	24	20	22	.95	1.06	1.01	1.12
Other causes	56	71	41	52	2.42	3.13	2.06	2.64
Total	187	195	120	138	8.07	8.59	6.04	7.00
Grand total	2,317	2,271	1,987	1,971	100.00	100.00	100.00	100.00

No. 192.—FATALITIES IN METAL MINES: BY STATES, CALENDAR YEARS 1917 TO 1921.

[Source: Bureau of Mines, Department of the Interior.]

State.	1917	1918	1919	1920	1921	State.	1917	1918	1919	1920	1921
Alabama	32	25	31	25	5	New Mexico	13	15	13	7	2
Alaska	30	8	10	7	13	New York	13	14	12	14	12
Arizona	80	86	61	52	23	North Carolina	1	2	1	1	.....
Arkansas	.....	1	.....	2	.....	Ohio	.....	.....	.....	.....	3
California	44	54	18	26	17	Oklahoma	18	13	17	11	3
Colorado	47	39	31	25	15	Oregon	1	4	.....	1	2
Florida	7	3	5	17	5	Pennsylvania	.....	1	.....	.....	.....
Georgia	4	1	.....	.....	.....	South Dakota	7	1	5	5	1
Idaho	24	17	12	12	9	Tennessee	11	13	6	5	4
Illinois	3	3	2	5	1	Texas	.....	4	3	6	.....
Iowa	.....	.....	.....	.....	1	Utah	26	28	15	27	10
Kansas	4	6	3	3	1	Vermont	.....	.....	.....	2	.....
Kentucky	.....	2	1	.....	.....	Virginia	8	5	4	1	2
Michigan	109	109	81	49	43	Washington	4	.....	1	3	.....
Minnesota	63	64	45	42	23	Wisconsin	12	8	8	5	1
Missouri	36	12	12	12	8	Wyoming	1	.....	1	.....	1
Montana	214	64	41	45	13	Other States	.....	.....	.....	2	1
Nevada	31	33	21	12	8						
New Hampshire	.....	1	.....	.....	.....	Total	852	646	468	425	230
New Jersey	9	10	8	1	3						

No. 193.—FATALITIES IN AND ABOUT METAL MINES: NUMBER KILLED, BY LOCALITIES AND CAUSES, CALENDAR YEARS 1918 TO 1921.

[Source: Bureau of Mines, Department of the Interior.]

Locality and cause.	Number killed.				Percentage of grand total.			
	1918	1919	1920	1921	1918	1919	1920	1921
Killed underground:								
Fall of rock or ore from roof or wall	178	164	138	68	27.56	35.04	32.47	29.57
Rock or ore while loading at working face or chute	13	4	9	2	2.01	.86	2.11	.87
Timber or hand tools	4	2	3	1	.62	.43	.71	.43
Explosives	56	41	44	20	8.67	8.76	10.35	8.70
Haulage	42	31	29	9	6.50	6.62	6.82	3.91
Persons falling down chute, winze, raise, or stope	38	30	18	13	5.88	6.41	4.24	5.65
Run of ore from chute or pocket	6	10	6	5	.93	2.14	1.41	2.17
Drilling	4	1	3	.....	.62	.21	.71	.....
Electricity	16	10	9	2	2.46	2.14	2.11	.87
Machinery (not including locomotives or drills)	1	1	1	.....	.15	.21	.24	.....
Mine fires	3	4	.....	.....	.47	.86	.....	.....
Suffocation from natural gases	3	4	7	5	.47	.86	1.65	2.17
Inrush of water	20	.....	.....	.....	3.10	.....	.....	.....
Nails or splinters	1	.....	.....	.....	.15	.....	.....	.....
Other causes	17	7	13	11	2.63	1.49	3.06	4.79
Total	402	309	280	136	62.23	66.03	65.88	59.13
Killed in shaft:								
Falling down shafts	39	32	22	22	6.03	6.84	5.18	9.57
Objects falling down shafts	17	7	6	7	2.63	1.49	1.41	3.04
Breaking of cables	3	2	1	.....	.47	.43	.24	.....
Overwinding	3	8	.....	.....	.47	1.71	.....	.....
Cage, skip, or bucket	40	23	20	16	6.19	4.91	4.71	6.96
Other causes	9	7	5	1	1.39	1.49	1.17	.43
Total	111	79	54	46	17.18	16.88	12.71	20.00
Killed on surface (yards and shops):								
Mine cars, mine locomotives, gravity or aerial trams	6	2	5	6	.93	.43	1.17	2.61
Railway cars and locomotives	8	8	9	1	1.24	1.71	2.11	.43
Run or fall of ore in or from ore bins	1	2	1	.....	.15	.43	.24	.....
Falls of persons	5	11	2	5	.78	2.35	.47	2.17
Nails or splinters	1	.....	.....	.....	.15	.....	.....	.....
Hand tools, axes, bars, etc.	1	1	.....	1	.15	.21	.....	.43
Electricity	8	5	7	2	1.24	1.07	1.65	.87
Machinery	9	4	9	2	1.39	.86	2.11	.87
Other causes	16	9	20	11	2.47	1.92	4.71	4.79
Total	55	42	53	28	8.51	8.97	12.47	12.17
Killed at open-pit mines:								
Falls or slides of rock or ore	14	16	4	4	2.17	3.42	.94	1.74
Explosives	33	7	13	3	5.11	1.49	3.06	1.31
Haulage (mine cars and locomotives, railway cars, etc.)	15	6	8	5	2.33	1.28	1.88	2.17
Steam shovels	2	5	5	4	.31	1.07	1.17	1.74
Falls of persons	1	2	3	.....	.15	.43	.71	.....
Falls of derricks, booms, etc.	1	.....	.....	2	.15	.....	.....	.87
Run or fall of ore in or from ore bins	1	.....	.....	1	.15	.....	.....	.43
Machinery (other than locomotives or steam shovels)	2	1	.....	.....	.31	.21	.....	.....
Electricity	1	1	2	.....	.15	.21	.47	.....
Other causes	8	.....	3	1	1.24	.....	.71	.43
Total	78	38	38	20	12.08	8.12	8.94	8.70
Grand total	646	468	425	230	100.00	100.00	100.00	100.00

No. 194.—ACCIDENTS AT SMELTING AND ORE-DRESSING PLANTS AND COKE OVENS: NUMBER KILLED AND INJURED, BY CAUSES AND BY STATES, CALENDAR YEARS 1917 TO 1921.

[Source: Bureau of Mines, Department of the Interior.]

SMELTING PLANTS.

Cause and State.	Killed.					Injured.				
	1917	1918	1919	1920	1921	1917	1918	1919	1920	1921
Cause:										
Haulage system (cars, motors, etc.)	7	8	6	4	2	693	559	350	238	121
Railway cars and locomotives	4	5				113	87	46	72	28
Cranes	3	2	6			146	97	60	51	32
Other machinery	9	13	4	5	2	375	377	217	185	96
Falls of persons	8	4	4	3	2	564	496	330	295	146
Suffocation in ore bins	1		1		2	73	5	2	4	
Flying or falling objects (rocks, timbers, etc.)	2		2	3	1	1,107	1,050	734	609	287
Gas (burns or asphyxiation)			1			48	136	60	40	15
Scalding (steam or water)	2			1	1	76	68	39	47	20
Electricity	9	3	2	1		37	41	31	23	6
Hand tools, axes, bars, etc						736	562	337	414	179
Nails, splinters, etc						208	163	70	87	51
Burns from matte, slag, or molten metal (pouring or spilling)	2	4	2		1	1,488	1,290	959	897	401
Hot-metal explosions	2	2	2	1		242	255	95	62	55
Other causes	4	1	4	2	3	1,839	1,557	1,101	1,123	692
Total	53	42	34	20	14	7,745	6,743	4,431	4,147	2,129
State:										
Arizona	10	9	5	3	2	1,184	1,412	716	687	152
Arkansas		2		1		83	53	65	84	39
California	5		1			188	289	122	37	33
Colorado	1	5	1	2	1	331	269	172	165	33
Illinois	3	3		3		749	636	408	433	177
Kansas	1	2	1			283	125	157	141	
Maryland	2	1				359	131			
Michigan			1			164	104	52	107	72
Missouri	2					437	482	271	427	
Montana		2	7	2	2	238	248	141	151	52
Nevada	3	2	1			132	117	28	132	30
New Jersey	5	4	4		1	677	682	414	377	197
New Mexico						10				
New York								4		
Oklahoma	4	4				895	479	544	265	107
Pennsylvania	3	2				608	396	382	374	398
South Dakota										
Tennessee			1					130		
Texas		1				164	178	99	39	18
Utah	9	4	4	3	2	556	383	265	163	110
Virginia								2		
Washington			1					71	77	
West Virginia	1				2	182	107	83	91	91
Wisconsin						36		15	26	
Other States	4	1	7	6	4	469	652	290	371	620
Total	53	42	34	20	14	7,745	6,743	4,431	4,147	2,129

ORE-DRESSING PLANTS.

Cause:										
Haulage system (cars, motors, etc.)	7	4		1	1	135	107	111	127	53
Railway cars and locomotives	4	1	2			29	68	48	24	17
Crushers, rolls, or stamps	3		1	2	1	112	111	108	102	70
Tables, jigs, etc	2		1			61	92	59	42	17
Other machinery	9	14	6	8	2	282	368	284	288	130
Falls of persons	9	6	4	2		399	414	201	323	132
Suffocation in ore bin	3	2	4	4		6	11	5	4	5
Falling objects (rocks, timbers, etc.)	4		1			371	389	200	283	99
Cyanide or other poisoning		1	1			24	45	11	16	4
Scalding (steam or water)	1		1			18	15	34	22	22
Electricity	4	3	2	2		40	63	23	36	24
Hand tools, axes, bars, etc						249	298	167	261	108
Nails, splinters, etc						193	165	97	120	64
Flying pieces of rock from sledging or crushing						302	198	140	179	73
Other causes	1	4	2	2		731	798	569	797	396
Total	47	35	25	21	4	2,952	3,142	2,057	2,624	1,214

No. 194.—Accidents at Smelting and Ore-Dressing Plants, etc.—Continued.

ORE-DRESSING PLANTS—Continued.

Cause and State.	Killed.					Injured.				
	1917	1918	1919	1920	1921	1917	1918	1919	1920	1921
State:										
Alabama	1	.....	1	1	.....	7	25	12	9	.....
Alaska	3	.....	3	1	1	141	54	25	49	12
Arizona	6	6	2	1	.....	578	653	448	314	93
Arkansas	.....	1	.....	.....	.....	11	6	.....	29	.....
California	.....	3	1	3	.....	30	105	43	114	66
Colorado	7	2	2	3	.....	214	170	64	120	79
Georgia	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Idaho	.....	.....	.....	1	1	62	62	27	51	26
Illinois	.....	.....	.....	1	.....	9	26	24	16	5
Kansas	.....	.....	.....	.....	1	15	31	22	42	61
Michigan	2	2	2	1	.....	88	88	102	144	43
Minnesota	.....	.....	1	.....	.....	40	18	34	19	27
Missouri	2	1	.....	2	.....	175	249	152	130	92
Montana	6	4	.....	1	.....	148	168	82	104	38
Nevada	4	6	4	2	.....	117	142	51	181	85
New Jersey	2	.....	1	.....	.....	57	60	40	26	27
New Mexico	1	1	1	2	.....	183	229	115	79	9
New York	1	2	3	.....	.....	77	56	206	158	113
North Carolina	.....	.....	.....	.....	.....	14	13	14	.....	.....
Oklahoma	2	1	3	.....	.....	208	212	213	335	80
Oregon	.....	1	.....	.....	.....	6	2	7	22	1
Pennsylvania	.....	.....	.....	.....	.....	1	1	2	24	.....
South Dakota	.....	.....	.....	.....	.....	23	32	17	20	30
Tennessee	1	1	.....	.....	.....	40	17	26	40	18
Texas	.....	.....	.....	.....	.....	6	2	.....	.....	.....
Utah	5	2	1	1	1	496	525	205	276	110
Vermont	.....	.....	.....	.....	.....	13	22	1	15	3
Virginia	.....	1	.....	.....	.....	16	30	38	16	4
Washington	.....	.....	.....	.....	.....	8	26	2	5	1
Wisconsin	3	1	.....	.....	.....	150	55	40	54	2
Other States	1	.....	.....	1	.....	18	63	45	232	180
Total	47	35	25	21	4	2,952	3,142	2,057	2,624	1,214

COKE OVENS.

Cause:										
Cars, lorries, and motors	17	22	18	10	3	574	713	445	309	123
Railway cars and locomotives	18	11	8	6	1	336	248	133	65	28
Coke-drawing machines	3	4	1	1	4	261	191	144	100	33
Electricity	2	3	2	2	1	50	61	40	58	21
Falls of persons	8	8	7	4	4	935	873	497	441	204
Hand tools	.....	1	.....	.....	.....	715	987	433	315	182
Suffocation from gases	5	3	3	1	.....	40	53	59	21	8
Burns	6	6	3	6	.....	837	977	566	467	226
Gas explosions	1	.....	1	.....	.....	38	40	40	32	9
Dust explosions	.....	.....	.....	.....	.....	.....	.....	5	30	.....
Falling objects	.....	.....	6	3	1	.....	.....	508	411	229
Nails, splinters, etc.	.....	.....	.....	.....	.....	.....	.....	113	101	56
Run of coal or coke	.....	.....	.....	3	1	.....	.....	21	23	20
Other causes	16	15	4	13	2	2,927	3,649	1,027	1,042	714
Total	76	73	53	49	17	6,713	7,792	4,031	3,415	1,853
State:										
Alabama	5	6	5	6	2	655	520	639	336	122
Colorado	.....	.....	(1)	(1)	(1)	14	22	(1)	(1)	(1)
Illinois	5	2	8	2	3	831	451	237	183	106
Indiana	6	3	7	4	1	317	348	324	342	479
Kentucky	1	1	2	1	.....	263	307	82	82	50
Michigan	(1)	(1)	2	1	2	(1)	(1)	86	127	31
Minnesota	(1)	(1)	2	1	.....	(1)	(1)	104	100	39
New Mexico	.....	.....	(1)	(1)	(1)	10	15	(1)	(1)	(1)
New York	(1)	(1)	3	5	.....	(1)	(1)	94	123	103
Ohio	5	12	4	5	3	318	1,289	365	357	112
Pennsylvania	40	31	18	15	5	1,921	2,325	1,412	1,103	444
Tennessee	.....	.....	.....	.....	.....	29	54	15	42	14
Virginia	1	1	.....	1	.....	48	226	73	36	14
Washington	.....	3	.....	.....	.....	13	28	32	5	4
West Virginia	3	.....	1	1	.....	80	60	29	29	13
Other States	10	14	6	7	1	2,214	2,147	539	550	322
Total	76	73	53	49	17	6,713	7,792	4,031	3,415	1,853

[1] Included in "Other States."

No. 195.—FATALITIES IN QUARRIES: BY STATES, CALENDAR YEARS 1917 TO 1921.

[Source: Bureau of Mines, Department of the Interior.]

State.	1917	1918	1919	1920	1921	State.	1917	1918	1919	1920	1921
Alabama	3	5	1	.....	1	New York	5	6	4	6	6
Arizona	.....	1	.....	.....	.....	North Carolina	1	1	1	.....	5
Arkansas	2	.....	1	1	2	Ohio	6	7	9	8	10
California	10	15	6	20	12	Oklahoma	.....	3	1	8	1
Colorado	1	1	1	2	2	Oregon	.....	1	.....	.....	.....
Connecticut	3	3	.....	2	1	Pennsylvania	23	24	24	49	16
Georgia	.....	3	1	1	2	South Carolina	2	1	(1)	(1)	(1)
Illinois	8	6	11	6	5	Tennessee	2	2	1	6	5
Indiana	6	2	1	8	8	Texas	1	3	10	6	2
Iowa	2	.....	1	2	1	Utah	1	.....	.....	.....	2
Kansas	4	3	1	3	.....	Vermont	5	6	4	4	7
Kentucky	1	.....	2	6	4	Virginia	2	1	3	5	2
Maine	.....	1	2	1	.....	Washington	1	.....	2	.....	1
Maryland	4	3	8	5	3	West Virginia	5	3	4	4	2
Massachusetts	7	4	9	2	4	Wisconsin	3	.....	.....	3	1
Michigan	1	7	5	5	7	Other States	1	.....	5	2	5
Minnesota	2	2	1	3	.....						
Missouri	5	2	1	4	.....	Total killed	131	125	123	178	120
Montana	9	.....	.....	.....	.....	Number killed per 1,000, 300-day workers	1.83	2.11	1.93	2.31	2.00
New Hampshire	.....	4	.....	1	1						
New Jersey	5	5	3	5	2						

[1] Included in "Other States."

No. 196.—FATALITIES CONNECTED WITH QUARRIES: BY CAUSES, CALENDAR YEARS 1916 TO 1921.

[Source: Bureau of Mines, Department of the Interior.]

Cause.	1916	1917	1918	1919	1920	1921
In and about quarry:						
1. Falls or slides of rock or overburden	33	24	18	15	33	20
2. Handling rock at face	6	2	3	2	3	4
3. Timber or hand tools	1	2	2	.....	1	.....
4. Explosives	28	21	17	24	36	17
5. Haulage	15	15	12	19	32	12
6. Falls of persons	12	8	11	3	7	7
7. Falling objects (other than 1 and 2)	(1)	(1)	1	6	3	2
8. Flying objects	1	3	1	3	1	4
9. Electricity	4	2	3	2	2	2
10. Drilling and channeling (by machine or hand)	.....	2	1	1	2	1
11. Machinery	6	5	8	12	5	8
12. Nails, splinters, etc	.....	.....	1	.....	.....	.....
13. Boiler and air-tank explosions	.....	1	2	.....	.....	2
14. Burns	(1)	(1)	.....	.....	1	.....
15. Other causes	8	6	1	3	2	1
Total	114	91	81	90	128	80
In outside works:						
16. Haulage	13	13	16	9	10	5
17. Machinery	23	10	9	7	14	10
18. Hand tools	.....	1	.....	.....	1	.....
19. Nails, splinters, etc	.....	.....	.....	.....	1	.....
20. Electricity	3	.....	1	3	5	7
21. Falls of persons	2	7	4	5	6	4
22. Falling objects (rocks, timbers, etc.)	8	1	4	2	3	4
23. Flying objects	.....	1	.....	1	1	.....
24. Handling rock by hand	.....	2	.....	1	1	.....
25. Burns	3	1	5	.....	1	4
26. Other causes	7	4	5	5	7	6
Total	59	40	44	33	50	40
Grand total	173	131	125	123	178	120

[1] Not segregated prior to 1918.

COMMERCIAL FAILURES.

No. 197.—COMMERCIAL FAILURES, ANNUALLY, 1890 TO 1922, AND MONTHLY, 1920 TO 1922: NUMBER, AMOUNT OF LIABILITIES, AND AVERAGE LIABILITIES.

[Source: Dun's Review, New York, N. Y.]

Year.	Number of failures.	Number of business concerns.	Liabilities.	Average liabilities.
			Thousand dollars.	*Dollars.*
1890	10,907	1,110,590	189,857	17,406
1891	12,273	1,142,951	189,869	15,471
1892	10,344	1,172,705	114,044	11,025
1893	15,242	1,193,113	346,780	22,751
1894	13,885	1,114,174	172,993	12,458
1895	13,197	1,209,282	173,196	13,124
1896	15,088	1,151,579	226,097	14,985
1897	13,351	1,058,521	154,332	11,559
1898	12,186	1,105,830	130,663	10,722
1899	9,337	1,147,595	90,880	9,733
1900	10,774	1,174,300	138,496	12,854
1901	11,002	1,219,242	113,092	10,279
1902	11,615	1,253,172	117,477	10,137
1903	12,069	1,281,481	155,444	12,879
1904	12,199	1,320,172	144,202	11,820
1905	11,520	1,357,455	102,676	8,913
1906	10,682	1,392,949	119,202	11,159
1907	11,725	1,418,075	197,385	16,834
1908	15,690	1,447,554	222,316	14,169
1909	12,924	1,486,389	154,603	11,963
1910	12,652	1,515,143	201,757	15,947
1911	13,441	1,525,024	191,062	14,215
1912	15,452	1,564,279	203,117	13,145
1913	16,037	1,616,517	272,672	17,004
1914	18,280	1,655,496	357,909	19,579
1915	22,156	1,674,486	302,286	13,644
1916	16,993	1,707,639	196,212	11,547
1917	13,855	1,733,225	182,441	13,168
1918	9,982	1,708,061	163,020	16,331
1919	6,451	1,710,909	113,291	17,561
1920	8,881	1,821,409	295,122	33,231
1921	19,652	1,927,304	627,402	31,926
1922	23,676	1,979,389	623,896	26,351

Year and month.	Number of failures.	Liabilities.	Average liabilities.	Year and month.	Number of failures.	Liabilities.	Average liabilities.
		Thousand dollars.	*Dollars.*			*Thousand dollars.*	*Dollars.*
1910:				1921:			
January	569	7,240	12,724	July	1,444	42,774	29,622
February	492	9,763	19,844	August	1,562	42,904	27,468
March	566	12,699	22,437	September	1,466	37,021	25,253
April	504	13,224	26,238	October	1,713	53,059	30,974
May	547	10,826	19,792	November	1,988	53,470	26,896
June	674	32,991	48,948	December	2,444	87,502	35,803
July	681	21,906	32,168	1922:			
August	673	28,373	42,159	January	2,723	73,796	27,101
September	677	29,554	43,655	February	2,331	72,608	31,149
October	923	38,915	42,161	March	2,463	71,608	29,044
November	1,050	30,758	29,293	April	2,167	73,059	33,771
December	1,525	58,872	38,604	May	1,960	44,403	22,655
1921:				June	1,740	38,242	21,978
January	1,895	52,137	27,513	July	1,753	40,010	22,824
February	1,641	60,852	37,083	August	1,714	40,280	23,500
March	1,336	67,409	50,456	September	1,566	36,908	23,568
April	1,487	38,568	25,937	October	1,708	34,647	20,285
May	1,356	57,066	42,084	November	1,737	40,265	23,181
June	1,320	34,639	26,242	December	1,814	58,069	32,012

No. 198.—COMMERCIAL FAILURES, CALENDAR YEARS 1921 AND 1922: PERCENTAGE TO TOTAL NUMBER OF CONCERNS IN BUSINESS AND AGGREGATE LIABILITIES, BY STATES AND BY GEOGRAPHIC DIVISIONS.

[Source: Dun's Review, New York, N. Y.]

State.	1921				1922			
	Number of failures.	Number of business concerns.[1]	Per cent of failures.	Liabilities.	Number of failures.	Number of business concerns.	Per cent of failures.	Liabilities.
				Dollars.				*Dollars.*
Alabama	407	24,054	1.69	8,539	377	23,798	1.58	5,833
Arizona	91	3,938	2.31	1,542	37	4,178	.89	583
Arkansas	302	26,779	1.13	8,164	342	26,635	1.28	6,073
California	780	71,907	1.08	11,568	955	80,594	1.18	13,149
Colorado	135	17,255	.78	4,722	199	18,389	1.08	4,026
Connecticut	516	25,406	2.03	15,443	573	26,689	2.15	17,046
Delaware	64	4,588	1.40	720	77	4,977	1.55	1,660
District of Columbia	48	7,311	.66	965	60	8,087	.74	1,144
Florida	265	17,651	1.50	6,821	377	18,991	1.99	8,584
Georgia	801	34,745	2.31	18,742	847	32,477	2.61	16,682
Idaho	127	7,537	1.69	2,680	137	7,268	1.88	3,137
Illinois	981	123,094	.80	28,412	1,420	127,314	1.12	49,158
Indiana	373	54,040	.69	14,135	490	56,690	.86	11,880
Iowa	312	59,935	.52	7,734	374	45,169	.83	8,313
Kansas	233	35,648	.65	4,932	276	36,116	.76	4,726
Kentucky	193	33,730	.57	2,991	295	35,287	.84	4,582
Louisiana	199	23,030	.86	4,640	263	24,040	1.09	6,108
Maine	136	17,159	.79	2,873	206	18,028	1.14	4,323
Maryland	285	27,156	1.05	7,851	346	30,123	1.15	16,082
Massachusetts	828	78,817	1.05	24,209	1,034	82,255	1.26	25,632
Michigan	675	66,841	1.01	12,803	709	65,545	1.08	13,768
Minnesota	344	45,254	.76	9,457	580	45,882	1.26	11,379
Mississippi	298	18,390	1.62	6,687	256	18,395	1.39	6,181
Missouri	591	70,119	.84	31,870	586	70,510	.83	15,205
Montana	196	10,582	1.85	2,759	215	10,576	2.03	3,263
Nebraska	229	24,712	.93	10,753	258	25,220	1.02	5,842
Nevada	9	1,637	.55	34	19	1,703	1.12	193
New Hampshire	41	9,739	.42	486	51	10,049	.51	389
New Jersey	531	72,163	.74	14,279	656	74,723	.88	15,922
New Mexico	38	4,091	.93	613	41	4,325	.95	960
New York	3,045	267,493	1.14	177,441	3,786	276,416	1.37	150,827
North Carolina	311	28,190	1.10	7,644	290	29,148	.99	8,015
North Dakota	60	11,264	.53	1,240	101	11,322	.89	2,890
Ohio	1,061	109,071	.97	42,437	1,435	110,490	1.30	40,619
Oklahoma	554	32,030	1.73	12,572	574	32,386	1.77	10,117
Oregon	305	16,697	1.83	11,040	403	17,099	2.36	5,021
Pennsylvania	1,234	159,647	.77	38,879	1,259	171,180	.74	38,374
Rhode Island	150	10,082	1.49	1,256	169	10,847	1.56	1,670
South Carolina	372	16,745	2.22	9,617	395	16,752	2.36	11,384
South Dakota	86	12,018	.72	1,543	87	11,830	.74	1,683
Tennessee	318	29,145	1.09	8,543	335	29,786	1.12	6,250
Texas	796	61,491	1.29	19,438	748	64,869	1.15	22,025
Utah	85	7,177	1.18	1,333	148	7,047	2.10	2,129
Vermont	31	7,098	.44	362	40	7,323	.55	628
Virginia	407	31,560	1.29	5,673	484	32,195	1.50	7,055
Washington	388	28,478	1.36	8,495	542	29,812	1.82	11,672
West Virginia	141	21,531	.65	2,907	299	28,397	1.05	3,373
Wisconsin	247	53,015	.47	8,812	476	54,134	.88	17,565
Wyoming	33	3,991	.83	742	49	4,323	1.13	772
Total	19,652	1,927,304	1.02	627,402	23,676	1,979,389	1.20	623,896
Geographic divisions.								
New England	1,702	148,301	1.15	44,629	2,073	155,191	1.34	49,692
Middle Atlantic	4,810	499,303	.96	230,600	5,701	522,319	1.09	205,122
South Atlantic	2,694	189,477	1.42	60,940	3,175	201,147	1.58	73,980
South Central	3,067	248,649	1.23	71,575	3,190	255,196	1.25	67,168
Central East	3,337	406,061	.82	106,599	4,530	414,173	1.09	132,990
Central West	1,855	258,950	.72	67,529	2,262	246,049	.92	50,038
Western	714	56,208	1.27	14,427	845	57,809	1.46	15,063
Pacific	1,473	117,082	1.26	31,103	1,900	127,505	1.49	29,842

[1] Business concerns by States and geographic divisions do not add to equal the total stated, as the latter includes net gains in telegraphic reports not distributed by States.

No. 199.—FAILURES IN MANUFACTURING, TRADING, ETC., CALENDAR YEAR 1922: By States and by Geographic Divisions.

[Source: Dun's Review, New York, N. Y.]

State.	Manufacturing.		Trading.		Other.		Total.		
	No.	Liabilities.	No.	Liabilities.	No.	Liabilities.	No.	Assets.	Liabilities.
		Thousand dollars.		*Thousand dollars.*		*Thousand dollars.*		*Thousand dollars.*	*Thousand dollars.*
Alabama	41	1,385	332	3,856	4	592	377	3,454	5,833
Arizona	2	95	34	417	1	70	37	540	583
Arkansas	34	835	304	5,011	4	227	342	5,255	6,073
California	284	3,569	632	7,392	39	2,188	955	6,722	13,149
Colorado	33	1,307	160	2,587	6	133	199	3,009	4,026
Connecticut	134	11,569	422	5,042	17	435	573	11,204	17,046
Delaware	17	560	56	1,033	4	67	77	962	1,660
District of Columbia	9	373	49	710	2	60	60	932	1,144
Florida	58	1,590	314	4,430	5	2,564	377	8,059	8,584
Georgia	97	2,516	728	13,371	22	795	847	11,770	16,682
Idaho	16	1,102	117	1,944	4	92	137	4,221	3,137
Illinois	405	18,082	936	14,117	79	16,959	1,420	27,695	49,158
Indiana	143	6,681	325	4,449	22	750	490	7,989	11,880
Iowa	82	3,530	285	4,539	7	244	374	5,416	8,313
Kansas	30	1,628	238	2,797	8	301	276	3,305	4,726
Kentucky	37	2,024	253	2,045	5	513	295	2,849	4,582
Louisiana	25	713	230	5,171	8	224	263	1,613	6,108
Maine	41	2,796	154	1,401	11	131	206	3,235	4,328
Maryland	99	2,342	217	2,262	30	11,478	346	5,849	16,082
Massachusetts	322	9,823	627	10,489	85	5,319	1,034	9,332	25,632
Michigan	207	7,738	478	5,628	24	402	709	9,288	13,768
Minnesota	129	2,807	424	5,848	27	2,725	580	6,737	11,379
Mississippi	18	1,144	238	5,037	.....	.....	256	3,005	6,181
Missouri	124	1,919	405	6,016	57	7,270	586	11,128	15,205
Montana	22	620	186	2,593	7	51	215	1,995	3,263
Nebraska	36	1,750	216	3,984	6	108	258	3,738	5,842
Nevada	2	11	16	156	1	25	19	85	193
New Hampshire	12	131	36	239	3	19	51	161	389
New Jersey	230	10,334	384	4,444	42	1,143	656	9,525	15,922
New Mexico	3	133	37	489	1	338	41	731	960
New York	1,368	49,187	2,133	39,352	285	62,288	3,786	97,666	150,827
North Carolina	26	722	262	7,252	2	42	290	4,842	8,015
North Dakota	4	209	94	2,497	3	185	101	1,939	2,890
Ohio	431	22,638	950	15,691	54	2,290	1,435	39,954	40,619
Oklahoma	55	2,232	511	7,537	8	349	574	8,637	10,117
Oregon	123	1,666	264	3,042	16	314	403	2,869	5,021
Pennsylvania	315	14,373	892	15,300	52	8,701	1,259	25,650	38,374
Rhode Island	40	479	120	997	9	195	169	552	1,670
South Carolina	43	1,798	348	9,496	4	91	395	8,631	11,384
South Dakota	5	90	79	1,360	3	233	87	1,173	1,683
Tennessee	55	1,271	271	4,849	9	130	335	4,376	6,250
Texas	61	1,503	675	15,967	12	4,554	748	12,186	22,025
Utah	20	601	126	1,521	2	7	148	3,073	2,129
Vermont	9	32	31	596	.....	.....	40	228	628
Virginia	81	1,602	388	4,975	15	478	484	4,440	7,055
Washington	151	5,009	357	5,038	34	1,625	542	6,492	11,672
West Virginia	52	1,056	239	2,098	8	219	299	2,287	3,373
Wisconsin	148	11,311	306	5,601	22	653	476	18,031	17,565
Wyoming	3	43	44	723	2	5	49	529	772
Total	5,682	214,925	16,923	271,388	1,071	137,583	23,676	413,358	623,896
Geographic divisions.									
New England	558	24,830	1,390	18,763	125	6,099	2,073	24,711	49,692
Middle Atlantic	1,913	73,895	3,409	59,096	379	72,132	5,701	132,842	205,122
South Atlantic	482	12,558	2,601	45,628	92	15,794	3,175	47,772	73,980
South Central	326	11,106	2,814	49,473	50	6,589	3,190	41,375	67,168
Central East	1,334	66,450	2,995	45,486	201	21,055	4,530	102,957	132,990
Central West	410	11,932	1,741	27,040	111	11,066	2,262	33,436	50,038
Western	101	3,912	720	10,430	24	722	845	14,182	15,063
Pacific	558	10,243	1,253	15,472	89	4,127	1,900	16,083	29,842

No. 200.—FAILURES IN MANUFACTURING, TRADING, ETC., CALENDAR YEARS 1919 TO 1922, WITH AVERAGES FOR THE LATTER YEAR: BY BRANCHES OF BUSINESS.

[Source: Dun's Review, New York, N. Y.]

	Number.				Liabilities.				Average, 1922.
	1919	1920	1921	1922	1919	1920	1921	1922	
MANUFACTURERS.					*Thousand dollars.*	*Thousand dollars.*	*Thousand dollars.*	*Thousand dollars.*	*Thousand dollars.*
Iron, foundries, and nails	23	35	80	82	1,521	4,084	8,638	8,265	101
Machinery and tools	177	248	461	549	12,868	27,066	52,559	50,084	91
Woolens, carpets, and knit goods	6	18	38	51	94	1,836	2,890	2,013	39
Cottons, lace, and hosiery	21	30	58	41	1,456	1,447	4,430	1,930	47
Lumber, carpenters, and coopers	240	207	354	400	4,443	13,346	17,698	17,339	43
Clothing and millinery	174	435	848	997	1,722	10,551	19,960	20,609	21
Hats, gloves, and furs	26	93	186	219	305	3,091	5,481	4,768	21
Chemicals and drugs	38	45	89	93	1,129	3,223	3,769	5,810	60
Paints and oils	8	11	20	21	169	310	943	688	33
Printing and engraving	59	50	143	171	825	2,509	4,858	3,343	20
Milling and bakers	172	282	385	518	2,478	3,606	8,486	9,546	18
Leather, shoes, and harness	53	91	185	241	895	3,486	4,743	4,442	18
Liquors and tobacco	49	61	97	140	934	1,372	7,625	3,676	26
Glass, earthenware, and brick	45	26	46	93	1,810	1,345	3,347	3,773	41
All other	774	1,003	1,505	2,063	20,965	50,720	87,479	78,639	38
Total manufacturing	1,865	2,635	4,495	5,682	51,614	127,992	232,907	214,925	38
TRADERS.									
General stores	425	618	2,277	2,263	4,412	10,144	43,060	43,634	19
Groceries, meat, and fish	1,359	1,713	3,007	3,518	8,257	13,059	38,186	37,907	11
Hotels and restaurants	324	369	554	741	3,159	4,175	6,281	9,236	12
Liquors and tobacco	214	160	260	346	1,523	1,859	1,661	3,262	9
Clothing and furnishing	325	566	1,871	2,043	2,760	7,673	29,140	31,891	16
Dry goods and carpets	208	377	1,298	1,382	3,073	8,097	24,647	27,030	20
Shoes, rubbers, and trunks	120	162	589	797	1,090	1,954	8,914	10,539	13
Furniture and crockery	78	74	402	530	805	743	5,402	8,708	16
Hardware, stoves, and tools	81	83	320	484	1,212	1,435	7,867	10,502	22
Chemicals and drugs	130	112	409	528	789	915	4,836	5,775	11
Paints and oils	21	16	72	75	759	325	1,764	1,186	16
Jewelry and clocks	73	103	313	415	700	1,670	5,785	7,636	18
Books and papers	21	21	52	109	176	229	459	857	8
Hats, furs, and gloves	21	135	125	114	289	7,365	6,421	2,632	23
All other	615	1,023	2,450	3,578	8,666	28,916	70,371	70,592	20
Total trading	4,013	5,532	13,909	16,923	37,670	88,558	254,794	271,388	16
Agents, brokers, etc	573	714	1,158	1,071	24,007	78,571	139,700	137,583	128
Total commercial	6,451	8,881	19,652	23,676	113,291	295,122	627,402	623,896	26
Banking	50	119	404	277	16,521	50,709	173,028	77,736	281

NOTE.—Iron, woolens, and cottons include all the branches of those manufactures; machinery includes vehicles, shipbuilding, hardware, fixtures, and implements; lumber includes saw, planing, sash, and door mills, and furniture; clothing includes tailors, men's and women's clothing, also furnishings; chemicals include chemical fertilizers; printing includes books and maps; leather and shoes include saddlery and trunks; glass includes pottery, lime, cement, quarry and stone; groceries include creamery, teas, and coffees; hotels include lodging houses and caterers; dry goods include department stores, curtains and draperies; furniture includes glass and glassware; hardware includes implements and utensils; and jewelry includes watches and optical goods. Brokers include agents, commission men, real-estate agents, insurance, storage, express, harbor lines, etc.

OCCUPATIONS, LABOR, AND WAGES.

No. 201.—TOTAL PERSONS 10 YEARS OF AGE AND OVER ENGAGED IN EACH SPECIFIED OCCUPATION: By Sex, 1920.

[Source: Reports of the Bureau of the Census, Department of Commerce.]

Occupation.	Male.	Female.	Total.
Agriculture, forestry, and animal husbandry	9,869,030	1,084,128	10,953,158
Dairy farmers, farmers, and stock raisers	5,947,425	253,836	6,201,261
Dairy farmers	114,867	3,946	118,813
Farmers, general farms	5,757,327	247,253	6,004,580
Farmers, turpentine farms	309	.....	309
Stock raisers	74,922	2,637	77,559
Dairy farm, farm, and stock farm laborers	3,248,712	792,915	4,041,627
Dairy farm laborers	60,770	2,597	63,367
Farm laborers (home farm)	1,273,477	576,642	1,850,119
Farm laborers (working out)	1,843,307	211,969	2,055,276
Farm laborers (turpentine farm)	15,790	309	16,099
Stock herders, drovers, and feeders	55,368	1,398	56,766
Dairy farm, farm, garden, orchard, etc., foremen	78,708	14,340	93,048
Dairy farm foremen	2,339	140	2,479
Farm foremen, general farms	65,251	13,767	79,018
Farm foremen, turpentine farms	724	.....	724
Farm foremen, stock farms	4,800	94	4,894
Garden and greenhouse foremen	1,698	176	1,874
Orchard, nursery, etc., foremen	3,896	163	4,059
Fishermen and oystermen	52,457	379	52,836
Foresters, forest rangers, and timber cruisers	3,651	2	3,653
Gardeners, florists, fruit growers, and nurserymen	160,116	9,283	169,399
Florists	7,407	938	8,345
Fruit growers	52,208	3,194	55,402
Gardeners	93,523	5,068	98,591
Landscape gardeners	4,377	25	4,402
Nurserymen	2,601	58	2,659
Garden, greenhouse, orchard, and nursery laborers	127,589	9,421	137,010
Cranberry bog laborers	236	5	241
Garden laborers	75,234	6,298	81,532
Greenhouse laborers	15,075	1,164	16,239
Orchard and nursery laborers	37,044	1,954	38,998
Lumbermen, raftsmen, and woodchoppers	205,036	279	205,315
Foremen and overseers	6,090	.....	6,090
Inspectors, scalers, and surveyors	2,344	.....	2,344
Teamsters and haulers	17,106	.....	17,106
Other lumbermen, raftsmen, and woodchoppers	179,496	279	179,775
Owners and managers of log and timber camps	8,397	13	8,410
Managers and officials	2,090	5	2,095
Owners and proprietors	6,307	8	6,315
Other agricultural and animal husbandry pursuits	36,939	3,660	40,599
Apiarists	2,759	134	2,893
Corn shellers, hay balers, grain thrashers, etc	9,642	4	9,646
Ditchers (farm)	5,379	.....	5,379
Irrigators and ditch tenders	2,597	3	2,600
Poultry raisers	11,792	2,324	14,116
Poultry yard laborers	3,587	1,012	4,599
Other and not specified pursuits	1,183	183	1,366
Extraction of minerals	1,087,359	2,864	1,090,223
Foremen, overseers, and inspectors	36,923	8	36,931
Foremen and overseers	27,939	6	27,945
Inspectors	8,984	2	8,986
Operators, officials, and managers	34,143	182	34,325
Managers	14,446	23	14,469
Officials	2,481	41	2,522
Operators	17,216	118	17,334
Coal mine operatives	732,441	1,495	733,936
Copper mine operatives	35,918	136	36,054
Gold and silver mine operatives	32,666	34	32,700
Iron mine operatives	38,605	99	38,704
Operatives in other and not specified mines	41,282	107	41,389
Lead and zinc mine operatives	20,749	49	20,798
Other specified mine operatives	11,271	49	11,320
Not specified mine operatives	9,262	9	9,271
Quarry operatives	45,084	78	45,162
Oil, gas, and salt well operatives	90,297	725	91,022
Oil and gas well operatives	85,303	247	85,550
Salt well and works operatives	4,994	478	5,472

No. 201.—Total Persons 10 Years of Age and Over Engaged in Each Specified Occupation: By Sex, 1920—Continued.

Occupation.	Male.	Female.	Total.
Manufacturing and mechanical industries	10,888,183	1,930,341	12,818,524
Apprentices to building and hand trades	73,897	56	73,953
Blacksmiths' apprentices	2,659	2	2,661
Boiler makers' apprentices	2,005	.....	2,005
Cabinetmakers' apprentices	1,020	.....	1,020
Carpenters' apprentices	4,797	8	4,805
Coopers' apprentices	365	.....	365
Electricians' apprentices	9,557	5	9,562
Machinists' apprentices [1]	39,448	15	39,463
Masons' apprentices	1,434	.....	1,434
Painters', glaziers', and varnishers' apprentices	1,598	18	1,616
Paper hangers' apprentices	165	7	172
Plasterers' apprentices	398	.....	398
Plumbers' apprentices	7,386	.....	7,386
Roofers' and slaters' apprentices	250	.....	250
Tinsmiths' and coppersmith's apprentices	2,815	1	2,816
Apprentices to dressmakers and milliners	17	4,309	4,326
Dressmakers' apprentices	4	2,711	2,715
Milliners' apprentices	13	1,598	1,611
Apprentices, other	60,532	5,366	65,898
Architects', designers', and draftsmen's apprentices	3,479	298	3,777
Jewelers', watchmakers', goldsmiths', and silversmiths' apprentices	2,247	386	2,633
Printers' and bookbinders' apprentices	10,366	1,237	11,603
Other apprentices	44,440	3,445	47,885
Bakers	93,347	4,593	97,940
Blacksmiths, forgemen, and hammermen	221,416	5	221,421
Blacksmiths	195,251	4	195,255
Forgemen, hammermen, and welders	26,165	1	26,166
Boiler makers	74,088	.....	74,088
Brick and stone masons	131,257	7	131,264
Builders and building contractors	90,030	79	90,109
Cabinetmakers	45,503	8	45,511
Carpenters	887,208	171	887,379
Compositors, linotypers, and typesetters	128,859	11,306	140,165
Coopers	19,061	5	19,066
Dressmakers and seamstresses (not in factory)	336	235,519	235,855
Dyers	14,978	131	15,109
Electricians	212,945	19	212,964
Electrotypers, stereotypers, and lithographers	13,530	186	13,716
Electrotypers and stereotypers	5,484	10	5,494
Lithographers	8,046	176	8,222
Engineers (stationary), cranemen, hoistmen, etc	279,940	44	279,984
Engineers (stationary)	242,064	32	242,096
Cranemen, derrickmen, hoistmen, etc	37,876	12	37,888
Engravers	14,492	561	15,053
Filers, grinders, buffers, and polishers (metal)	57,315	2,470	59,785
Buffers and polishers	28,484	2,027	30,511
Filers	10,893	66	10,959
Grinders	17,938	377	18,315
Firemen (except locomotive and fire department)	143,862	13	143,875
Foremen and overseers (manufacturing)	277,242	30,171	307,413
Furnacemen, smeltermen, heaters, pourers, etc	40,800	6	40,806
Furnacemen and smeltermen	18,197	4	18,201
Heaters	16,468	2	16,470
Ladlers and pourers	1,020	.....	1,020
Puddlers	5,115	.....	5,115
Glass blowers	9,055	89	9,144
Jewelers, watchmakers, goldsmiths, and silversmiths	37,914	1,678	39,592
Goldsmiths and silversmiths	4,771	57	4,828
Jewelers and lapidaries (factory)	7,701	1,056	8,757
Jewelers and watchmakers (not in factory)	25,442	565	26,007
Laborers (n. o. s.[2]):			
Building, general, and not specified laborers	608,075	15,128	623,203
Chemical and allied industries	70,994	3,295	74,289
Fertilizer factories	12,808	135	12,943
Paint and varnish factories	4,677	164	4,841
Powder, cartridge, dynamite, fuse, and fireworks factories	7,821	646	8,467
Soap factories	4,346	369	4,715
Other chemical factories	41,342	1,981	43,323
Cigar and tobacco factories	21,295	13,862	35,157
Clay, glass, and stone industries	120,215	4,329	124,544
Brick, tile, and terra cotta factories	48,099	537	48,636
Glass factories	26,461	2,476	28,937
Lime, cement, and artificial stone factories	29,884	167	30,051
Marble and stone yards	5,061	23	5,084
Potteries	10,710	1,126	11,836

[1] Many of the "machinists' apprentices" probably are machine tenders. [2] Not otherwise specified.

No. 201.—Total Persons 10 Years of Age and Over Engaged in Each Specified Occupation: By Sex, 1920—Continued.

Occupation.	Male.	Female.	Total.
Manufacturing and mechanical industries—Continued.			
Laborers—Continued.			
Clothing industries	6,414	6,362	12,776
Corset factories	194	577	771
Glove factories	899	858	1,757
Hat factories (felt)	825	164	989
Shirt, collar, and cuff factories	1,317	1,391	2,708
Suit, coat, cloak, and overall factories	2,219	1,765	3,984
Other clothing factories	960	1,607	2,567
Food industries	143,397	16,138	159,535
Bakeries	6,869	1,446	8,315
Butter, cheese, and condensed milk factories	14,174	1,016	15,190
Candy factories	4,398	2,186	6,584
Fish curing and packing	5,261	1,039	6,300
Flour and grain mills	17,983	138	18,121
Fruit and vegetable canning, etc	9,743	3,315	13,058
Slaughter and packing houses	55,436	4,112	59,548
Sugar factories and refineries	15,414	319	15,733
Other food factories	14,119	2,567	16,686
Harness and saddle industries	1,727	158	1,885
Helpers in building and hand trades	63,412	107	63,519
Iron and steel industries	717,022	12,591	729,613
Agricultural implement factories	11,292	117	11,409
Automobile factories	80,874	2,467	83,341
Blast furnaces and steel rolling mills [1]	256,548	2,282	258,830
Car and railroad shops	53,280	363	53,643
Ship and boat building	68,917	279	69,196
Wagon and carriage factories	9,594	223	9,817
Other iron and steel factories [2]	173,734	5,873	179,607
Not specified metal industries	62,783	987	63,770
Other metal industries	62,771	5,116	67,887
Brass mills	17,614	871	18,485
Clock and watch factories	1,929	1,179	3,108
Copper factories	10,908	55	10,963
Gold and silver factories	2,061	211	2,272
Jewelry factories	1,255	166	1,421
Lead and zinc factories	8,859	68	8,927
Tinware, enamelware, etc., factories	15,436	2,169	17,605
Other metal factories	4,709	397	5,106
Lumber and furniture industries	309,874	10,739	320,613
Furniture factories	32,600	2,672	35,272
Piano and organ factories	4,596	725	5,321
Saw and planing mills [3]	241,334	4,349	245,683
Other woodworking factories	31,344	2,993	34,337
Paper and pulp mills	49,786	2,477	52,263
Printing and publishing	8,886	2,550	11,436
Blank book, envelope, tag, paper bag, etc., factories	2,646	809	3,455
Printing, publishing, and engraving	6,240	1,741	7,981
Shoe factories	14,194	5,016	19,210
Tanneries	26,703	777	27,480
Textile industries—			
Carpet mills	3,378	575	3,953
Cotton mills	59,646	16,669	76,315
Knitting mills	6,603	5,340	11,943
Lace and embroidery mills	677	267	944
Silk mills	7,350	2,730	10,080
Textile dyeing, finishing, and printing mills	9,885	720	10,605
Woolen and worsted mills	18,238	3,989	22,227
Other textile mills	14,564	2,679	17,243
Hemp and jute mills	1,110	144	1,254
Linen mills	364	94	458
Rope and cordage factories	3,805	463	4,268
Sail, awning, and tent factories	237	46	283
Not specified textile mills	9,048	1,932	10,980
Other industries	426,398	37,493	463,891
Broom and brush factories	2,407	393	2,800
Button factories	1,093	314	1,407
Charcoal and coke works	9,352	32	9,384
Electric light and power plants	15,255	162	15,417
Electrical supply factories	23,562	3,227	26,789
Gas works	18,787	58	18,845
Leather belt, leather case, etc., factories	3,274	304	3,578
Liquor and beverage industries	10,295	235	10,530
Paper box factories	2,401	983	3,384
Petroleum refineries	31,566	229	31,795
Rubber factories	47,515	3,952	51,467
Straw factories	513	64	577
Trunk factories	2,269	217	2,486
Turpentine distilleries	9,605	126	9,731
Other miscellaneous industries	77,583	6,754	84,337
Other not specified industries	170,921	20,443	191,364

[1] Includes tin-plate mills. [2] Includes iron foundries. [3] Includes "Box factories (wood)."

No. 201.—Total Persons 10 Years of Age and Over Engaged in Each Specified Occupation: By Sex, 1920—Continued.

Occupation.	Male.	Female.	Total.
Manufacturing and mechanical industries—Continued.			
Loom fixers	15,958	3	15,961
Machinists, millwrights, and toolmakers	894,654	8	894,662
Machinists	801,896	5	801,901
Millwrights	37,669	.....	37,669
Toolmakers and die setters and sinkers	55,089	3	55,092
Managers and superintendents (manufacturing)	196,771	4,950	201,721
Manufacturers and officials	223,289	8,326	231,615
Manufacturers	178,441	4,945	183,386
Officials	44,848	3,381	48,229
Mechanics (n. o. s.[1])	281,690	51	281,741
Gunsmiths, locksmiths, and bellhangers	4,638	7	4,645
Wheelwrights	3,727	.....	3,727
Other mechanics	273,325	44	273,369
Millers (grain, flour, feed, etc.)	23,265	7	23,272
Milliners and millinery dealers	3,657	69,598	73,255
Molders, founders, and casters (metal)	123,668	13	123,681
Brass molders, founders, and casters	7,238	.....	7,238
Iron molders, founders, and casters	114,022	9	114,031
Other molders, founders, and casters	2,408	4	2,412
Oilers of machinery	24,568	44	24,612
Painters, glaziers, varnishers, enamelers, etc.	319,697	3,335	323,032
Enamelers, lacquerers, and japanners	3,168	969	4,137
Painters, glaziers, and varnishers (building)	248,394	103	248,497
Painters, glaziers, and varnishers (factory)	68,135	2,263	70,398
Paper hangers	18,338	408	18,746
Pattern and model makers	27,663	57	27,720
Plasterers and cement finishers	45,870	6	45,876
Cement finishers	7,621	.....	7,621
Plasterers	38,249	6	38,255
Plumbers and gas and steam fitters	206,715	3	206,718
Pressmen and plate printers (printing)	18,683	.....	18,683
Rollers and roll hands (metal)	25,061	.....	25,061
Roofers and slaters	11,378	.....	11,378
Sawyers	33,800	9	33,809
Semiskilled operatives (n. o. s.[1]):			
Chemical and allied industries	32,072	18,269	50,341
Fertilizer factories	1,352	55	1,407
Paint and varnish factories	4,686	835	5,521
Powder, cartridge, dynamite, fuse, and fireworks factories	4,811	2,568	7,379
Soap factories	3,239	3,049	6,288
Other chemical factories	17,984	11,762	29,746
Cigar and tobacco factories	61,262	83,960	145,222
Clay, glass, and stone industries	72,269	13,165	85,434
Brick, tile, and terra cotta factories	9,357	630	9,987
Glass factories	37,636	7,195	44,831
Lime, cement, and artificial stone factories	7,426	207	7,633
Marble and stone yards	5,478	68	5,546
Potteries	12,372	5,065	17,437
Clothing industries	143,718	265,643	409,361
Corset factories	1,115	11,527	12,642
Glove factories	6,584	16,773	23,357
Hat factories (felt)	14,716	6,462	21,178
Shirt, collar, and cuff factories	10,361	42,016	52,377
Suit, coat, cloak, and overall factories	79,357	64,515	143,872
Other clothing factories	31,585	124,350	155,935
Food industries	116,493	72,402	188,895
Bakeries	8,858	11,583	20,441
Butter, cheese, and condensed milk factories	16,096	2,745	18,841
Candy factories	20,913	31,368	52,281
Fish curing and packing	4,363	3,223	7,586
Flour and grain mills	7,524	588	8,112
Fruit and vegetable canning, etc.	3,898	6,306	10,204
Slaughter and packing houses	41,906	8,085	49,991
Sugar factories and refineries	3,144	662	3,806
Other food factories	9,791	7,842	17,633
Harness and saddle industries	17,573	562	18,135
Iron and steel industries	632,161	57,819	689,980
Agricultural implement factories	7,136	586	7,722
Automobile factories	108,376	12,788	121,164
Blast furnaces and steel rolling mills[2]	89,526	4,101	93,627
Car and railroad shops	97,003	976	97,979
Ship and boat building	97,175	491	97,666
Wagon and carriage factories	8,749	681	9,430
Other iron and steel factories[3]	209,112	36,338	245,450
Not specified metal industries	15,084	1,858	16,942
Other metal industries	60,844	30,447	91,291
Brass mills	13,576	3,906	17,482
Clock and watch factories	10,043	8,201	18,244
Copper factories	2,834	152	2,986

[1] Not otherwise specified. [2] Includes tin-plate mills. [3] Includes iron foundries.

No. 201.—Total Persons 10 Years of Age and Over Engaged in Each Specified Occupation: By Sex, 1920—Continued.

Occupation.	Male.	Female.	Total.
Manufacturing and mechanical industries—Continued.			
Semiskilled operatives—Continued.			
Other metal industries—Continued.			
Gold and silver factories	4,432	1,807	6,239
Jewelry factories	8,946	6,137	15,083
Lead and zinc factories	2,186	278	2,464
Tinware, enamelware, etc., factories	12,167	7,189	19,356
Other metal factories	6,660	2,777	9,437
Lumber and furniture industries	150,079	18,640	168,719
Furniture factories	48,906	6,811	55,717
Piano and organ factories	16,949	2,903	19,852
Saw and planing mills[1]	54,016	3,304	57,320
Other woodworking factories	30,208	5,622	35,830
Paper and pulp mills	41,321	13,348	54,669
Printing and publishing	39,281	41,122	80,403
Blank book, envelope, tag, paper bag, etc., factories	5,117	8,577	13,694
Printing, publishing, and engraving	34,164	32,545	66,709
Shoe factories	132,813	73,412	206,225
Tanneries	28,598	3,628	32,226
Textile industries—			
Carpet mills	13,003	10,384	23,387
Cotton mills	153,269	149,185	302,454
Knitting mills	26,922	80,682	107,604
Lace and embroidery mills	6,086	12,997	19,083
Silk mills	42,953	72,768	115,721
Textile dyeing, finishing, and printing mills	12,154	5,582	17,736
Woolen and worsted mills	64,703	61,715	126,418
Other textile mills	34,944	45,050	79,994
Hemp and jute mills	1,951	2,217	4,168
Linen mills	860	1,714	2,574
Rope and cordage factories	4,714	3,740	8,454
Sail, awning, and tent factories	2,538	1,005	3,543
Not specified textile mills	24,881	36,374	61,255
Other industries	410,256	212,406	622,662
Broom and brush factories	10,219	2,387	12,606
Building and hand trades	6,983	20	7,003
Button factories	7,768	5,209	12,977
Charcoal and coke works	1,692	30	1,722
Electric light and power plants	15,610	339	15,949
Electrical supply factories	37,452	27,389	64,841
Gas works	9,294	168	9,462
Leather belt, leather case, etc., factories	12,809	4,380	17,189
Liquor and beverage industries	14,960	695	15,655
Paper box factories	7,077	13,375	20,452
Petroleum refineries	8,229	662	8,891
Rubber factories	67,370	18,834	86,204
Straw factories	7,751	6,351	14,102
Trunk factories	4,644	812	5,456
Turpentine distilleries	1,130	8	1,138
Other miscellaneous industries	75,772	46,196	121,968
Other not specified industries	21,496	85,551	207,047
Shoemakers and cobblers (not in factory)	78,599	260	78,859
Skilled occupations (n. o. s.[2])	19,326	69	19,395
Annealers and temperers (metal)	2,910	3	2,913
Piano and organ tuners	7,007	40	7,047
Wood carvers	3,008	17	3,025
Other skilled occupations	6,401	9	6,410
Stonecutters	22,096	3	22,099
Structural-iron workers (building)	18,836	.....	18,836
Tailors and tailoresses	160,404	31,828	192,232
Tinsmiths and coppersmiths	74,957	11	74,968
Coppersmiths	5,232	1	5,233
Tinsmiths and sheet-metal workers	69,725	10	69,735
Upholsterers	27,338	2,267	29,605
Transportation	2,850,528	213,054	3,063,582
Water transportation (selected occupations):			
Boatmen, canal men, and lock keepers	6,286	33	6,319
Captains, masters, mates, and pilots	26,318	2	26,320
Longshoremen and stevedores	85,605	323	85,928
Sailors and deck hands	54,800	32	54,832
Road and street transportation (selected occupations):			
Carriage and hack drivers	8,966	91	9,057
Chauffeurs	284,096	949	285,045
Draymen, teamsters, and expressmen[3]	410,484	648	411,132

[1] Includes "Box factories (wood.)"
[2] Not otherwise specified.
[3] Teamsters in agriculture, forestry, and the extraction of minerals are classified with the other workers in those industries, respectively; and drivers for bakeries and laundries are classified with delivery men in trade.

No. 201.—Total Persons 10 Years of Age and Over Engaged in Each Specified Occupation: By Sex, 1920—Continued.

Occupation.	Male.	Female.	Total.
Transportation—Continued.			
Road and street transportation—Continued.			
Foremen of livery and transfer companies	3,866	2	3,868
Garage keepers and managers	41,944	207	42,151
Hostlers and stable hands	18,973	3	18,976
Laborers (garage, road, and street)	158,204	278	158,482
Garage	31,339	111	31,450
Road and street building and repairing	115,673	163	115,836
Street cleaning	11,192	4	11,196
Livery stable keepers and managers	11,168	72	11,240
Proprietors and managers of transfer companies	23,231	266	23,497
Railroad transportation (selected occupations):			
Baggagemen and freight agents	16,789	30	16,819
Baggagemen	11,875	3	11,878
Freight agents	4,914	27	4,941
Boiler washers and engine hostlers	25,271	34	25,305
Brakemen	114,107	.....	114,107
Conductors (steam railroad)	74,539	.....	74,539
Conductors (street railroad)	63,507	253	63,760
Foremen and overseers	79,216	78	79,294
Steam railroad	72,980	66	73,046
Street railroad	6,236	12	6,248
Laborers	488,659	7,054	495,713
Steam railroad	463,613	6,586	470,199
Street railroad	25,046	468	25,514
Locomotive engineers	109,899	.....	109,899
Locomotive firemen	91,345	.....	91,345
Motormen	66,499	20	66,519
Steam railroad	3,560	.....	3,560
Street railroad	62,939	20	62,959
Officials and superintendents	35,830	51	35,881
Steam railroad	32,385	41	32,426
Street railroad	3,445	10	3,455
Switchmen, flagmen, and yardmen	111,000	565	111,565
Switchmen and flagmen (steam railroad)	101,359	558	101,917
Switchmen and flagmen (street railroad)	2,496	4	2,500
Yardmen (steam railroad)	7,145	3	7,148
Ticket and station agents	24,324	2,261	26,585
Express, post, telegraph, and telephone (selected occupations):			
Agents (express companies)	5,193	100	5,293
Express messengers and railway mail clerks	24,996	9	25,005
Express messengers	9,129	9	9,138
Railway mail clerks	15,867	.....	15,867
Mail carriers	90,131	1,320	91,451
Telegraph and telephone linemen	37,905	12	37,917
Telegraph messengers	8,969	434	9,403
Telegraph operators	62,574	16,860	79,434
Telephone operators	11,781	178,379	190,160
Other transportation pursuits:			
Foremen and overseers (n. o. s.[1])	25,958	37	25,993
Road and street building and repairing	9,557	1	9,558
Telegraph and telephone	6,797	25	6,822
Water transportation	3,488	.....	3,488
Other transportation	6,116	11	6,127
Inspectors	49,848	385	50,233
Steam railroad	42,675	46	42,721
Street railroad	3,445	6	3,451
Telegraph and telephone	2,491	330	2,821
Other transportat on	1,237	3	1,240
Laborers (n. o. s.[1])	33,229	203	33,432
Express companies	9,067	22	9,089
Pipe lines	7,362	7	7,369
Telegraph and telephone	5,011	77	5,088
Water transportation	5,963	3	5,966
Other transportation	5,826	94	5,920
Proprietors, officials, and managers (n. o. s.[1])	18,384	573	18,957
Telegraph and telephone	11,059	544	11,603
Other transportation	7,325	29	7,354
Other occupations (semiskilled)	46,634	1,490	48,124
Road and street building and repairing	4,331	104	4,435
Steam railroad	27,916	705	28,621
Street railroad	9,088	171	9,259
Telegraph and telephone	1,410	421	1,831
Water transportation	1,753	21	1,774
Other transportation	2,136	68	2,204

[1] Not otherwise specified.

No. 201.—Total Persons 10 Years of Age and Over Engaged in Each Specified Occupation: By Sex, 1920—Continued.

Occupation.	Male.	Female.	Total.
Trade	3,575,187	667,792	4,242,979
Bankers, brokers, and money lenders	156,309	5,304	161,613
Bankers and bank officials	78,149	4,226	82,375
Commercial brokers and commission men	27,358	194	27,552
Loan brokers and loan company officials	4,255	130	4,385
Pawnbrokers	1,066	22	1,088
Stockbrokers	29,233	376	29,609
Brokers not specified and promoters	16,248	356	16,604
Clerks in stores [1]	243,521	170,397	413,918
Commercial travelers	176,514	2,806	179,320
Decorators, drapers, and window dressers	7,698	1,155	8,853
Deliverymen	170,039	196	170,235
Bakeries and laundries	20,858	30	20,888
Stores	149,181	166	149,347
Floorwalkers, foremen, and overseers	22,367	4,070	26,437
Floorwalkers and foremen in stores	16,565	4,039	20,604
Foremen (warehouses, stockyards, etc.)	5,802	31	5,833
Inspectors, gaugers, and samplers	12,683	1,031	13,714
Insurance agents and officials	129,589	5,389	134,978
Insurance agents	114,835	5,083	119,918
Officials of insurance companies	14,754	306	15,060
Laborers in coal and lumber yards, warehouses, etc.	124,713	896	125,609
Coal yards	25,157	35	25,192
Elevators	11,244	68	11,312
Lumberyards	43,297	54	43,351
Stockyards	22,859	29	22,888
Warehouses	22,156	710	22,866
Laborers, porters, and helpers in stores	116,602	8,405	125,007
Newsboys	27,635	326	27,961
Proprietors, officials, and managers (n. o. s.[2])	33,715	1,061	34,776
Employment office keepers	2,357	669	3,026
Proprietors, etc., elevators	8,836	22	8,858
Proprietors, etc., warehouses	6,310	43	6,353
Other proprietors, officials, and managers	16,212	327	16,539
Real estate agents and officials	139,927	9,208	149,135
Retail dealers [3]	1,249,295	78,980	1,328,275
Agricultural implements and wagons	7,760	29	7,789
Art stores and artists' materials	1,989	657	2,646
Automobiles and accessories	28,626	142	28,768
Bicycles	2,200	21	2,221
Books	2,600	435	3,035
Boots and shoes	21,781	763	22,544
Butchers and meat dealers	120,940	1,165	122,105
Buyers and shippers of grain	7,288	17	7,305
Buyers and shippers of live stock	30,433	31	30,464
Buyers and shippers of other farm produce	10,507	33	10,540
Candy and confectionery	32,368	7,723	40,091
Cigars and tobacco	18,031	1,110	19,141
Carpets and rugs	1,116	16	1,132
Clothing and men's furnishings	43,440	3,213	46,653
Coal and wood	26,057	499	26,556
Coffee and tea	4,766	278	5,044
Crockery, glassware, and queensware	1,505	113	1,618
Curios, antiques, and novelties	2,593	760	3,353
Delicatessen stores	3,565	768	4,333
Department stores	10,800	952	11,752
Drugs and medicines, including druggists and pharmacists	76,995	3,162	80,157
Dry goods, fancy goods, and notions	56,158	7,751	63,909
Five and ten cent and variety stores	4,899	1,069	5,968
Florists (dealers [4])	4,784	962	5,746
Flour and feed	9,212	97	9,309
Fruit	22,185	1,200	23,385
Furniture	25,337	676	26,013
Furs	4,434	355	4,789
Gas fixtures and electrical supplies	4,335	85	4,420
General stores	76,317	3,709	80,026
Groceries	216,059	23,177	239,236
Hardware, stoves, and cutlery	40,453	691	41,144
Harness and saddlery	2,685	21	2,706
Hucksters and peddlers	48,493	1,909	50,402
Ice	8,166	37	8,203
Jewelry	20,652	781	21,433
Junk	22,596	153	22,749
Leather and hides	4,307	43	4,350

[1] Many of the "clerks in stores" probably are "salesmen and saleswomen."
[2] Not otherwise specified.
[3] Includes, also, managers and superintendents of retail stores.
[4] Growers of flowers are shown under "Agriculture."

No. 201.—Total Persons 10 Years of Age and Over Engaged in Each Specified Occupation: By Sex, 1920—Continued.

Occupation.	Male.	Female.	Total.
Trade—Continued.			
Retail dealers—Continued.			
Lumber	27,589	98	27,687
Milk	12,509	595	13,104
Music and musical instruments	7,360	549	7,909
Newsdealers	7,808	666	8,474
Oil, paint, and wall paper	6,298	279	6,577
Opticians	11,743	889	12,632
Produce and provisions	32,873	1,600	34,473
Rags	1,985	39	2,024
Stationery	5,260	691	5,951
Other specified retail dealers	49,955	2,726	52,681
Not specified retail dealers	59,483	6,245	65,728
Salesmen and saleswomen	816,352	361,142	1,177,494
Auctioneers	5,045	3	5,048
Demonstrators	1,639	3,184	4,823
Sales agents	40,207	1,634	41,841
Salesmen and saleswomen (stores)	769,461	356,321	1,125,782
Undertakers	23,342	1,127	24,469
Wholesale dealers, importers, and exporters	72,780	794	73,574
Other pursuits (semiskilled)	52,106	15,505	67,611
Fruit graders and packers	4,988	3,086	8,074
Meat cutters	22,804	80	22,884
Packers, wholesale and retail trade	13,603	6,098	19,701
Other occupations	10,711	6,241	16,952
Public service (not elsewhere classified)	748,666	21,794	770,460
Firemen (fire department)	50,771	.....	50,771
Guards, watchmen, and doorkeepers	115,154	399	115,553
Laborers (public service)	105,385	1,530	106,915
Garbage men and scavengers	5,475	6	5,481
Other laborers	99,910	1,524	101,434
Marshals, sheriffs, detectives, etc.	30,968	1,246	32,214
Detectives	11,562	393	11,955
Marshals and constables	6,880	17	6,897
Probation and truant officers	1,899	780	2,679
Sheriffs	10,627	56	10,683
Officials and inspectors (city and county)	50,748	4,849	55,597
Officials and inspectors (city)	31,918	1,587	33,505
Officials and inspectors (county)	18,830	3,262	22,092
Officials and inspectors (state and United States)	67,944	12,390	80,334
Officials and inspectors (state)	8,596	530	9,126
Postmasters	20,727	11,208	31,935
Other United States officials	38,621	652	39,273
Policemen	81,884	236	82,120
Soldiers, sailors, and marines [1]	225,503	.....	225,503
Other pursuits	20,309	1,144	21,453
Life-savers	2,285	2	2,287
Lighthouse keepers	1,442	21	1,463
Other occupations	16,582	1,121	17,703
Professional service	1,127,391	1,016,498	2,143,889
Actors and showmen	33,818	14,354	48,172
Actors	15,124	13,237	28,361
Showmen	18,694	1,117	19,811
Architects	18,048	137	18,185
Artists, sculptors, and teachers of art	20,785	14,617	35,402
Auditors, editors, and reporters	32,129	8,736	40,865
Authors	3,662	3,006	6,668
Editors and reporters	28,467	5,730	34,197
Chemists, assayers, and metallurgists	31,227	1,714	32,941
Clergymen	125,483	1,787	127,270
College presidents and professors [2]	23,332	10,075	33,407
Dentists	54,323	1,829	56,152
Designers, draftsmen, and inventors	62,987	7,664	70,651
Designers	9,758	5,652	15,410
Draftsmen	50,880	1,985	52,865
Inventors	2,349	27	2,376
Lawyers, judges, and justices	120,781	1,738	122,519
Musicians and teachers of music	57,587	72,678	130,265
Osteopaths	3,367	1,663	5,030
Photographers	27,140	7,119	34,259
Physicians and surgeons	137,758	7,219	144,977
Teachers	122,525	639,241	761,766
Teachers (athletics, dancing, etc.)	5,677	4,034	9,711
Teachers (school)	116,848	635,207	752,055

[1] Includes only those resident in continental United States at the date of the enumeration.
[2] "College presidents and professors" probably include some teachers in school below collegiate rank.

No. 201.—Total Persons 10 Years of Age and Over Engaged in Each Specified Occupation: By Sex, 1920—Continued.

Occupation.	Male.	Female.	Total.
Professional service—Continued.			
Technical engineers	136,080	41	136,121
Civil engineers and surveyors	64,642	18	64,660
Electrical engineers	27,065	12	27,077
Mechanical engineers [1]	37,678	11	37,689
Mining engineers	6,695	.....	6,695
Trained nurses	5,464	143,664	149,128
Veterinary surgeons	13,493	1	13,494
Other professional pursuits	15,745	19,273	35,018
Aeronauts	1,304	8	1,312
Librarians	1,795	13,502	15,297
Other occupations	12,646	5,763	18,409
Semiprofessional pursuits	70,626	45,929	116,555
Abstractors, notaries, and justices of peace	8,588	1,483	10,071
Fortune tellers, hypnotists, spiritualists, etc	230	698	928
Healers (except osteopaths and physicians and surgeons)	6,872	7,902	14,774
Keepers of charitable and penal institutions	7,953	4,931	12,884
Keepers of pleasure resorts, race tracks, etc	3,163	197	3,360
Officials of lodges, societies, etc	9,574	2,162	11,736
Religious, charity, and welfare workers	14,151	26,927	41,078
Theatrical owners, managers, and officials	17,138	1,257	18,395
Turfmen and sportsmen	1,825	1	1,826
Other occupations	1,132	371	1,503
Attendants and helpers (professional service)	14,693	17,019	31,712
Dentists' assistants and apprentices	1,768	4,940	6,708
Librarians' assistants and attendants	1,067	1,212	2,279
Physicians' and surgeons' attendants	641	6,410	7,051
Stage hands and circus helpers	5,377	426	5,803
Theater ushers	2,868	2,353	5,221
Other attendants and helpers	2,972	1,678	4,650
Domestic and personal service	1,217,968	2,186,924	3,404,892
Barbers, hairdressers, and manicurists	182,965	33,246	216,211
Billiard room, dance hall, skating rink, etc., keepers	24,655	242	24,897
Billiard and pool room keepers	22,067	73	22,140
Dance hall, skating rink, etc., keepers	2,588	169	2,757
Boarding and lodging house keepers	18,652	114,740	133,392
Bootblacks	15,142	33	15,175
Charwomen and cleaners	11,848	24,955	36,803
Elevator tenders	33,376	7,337	40,713
Hotel keepers and managers	41,449	14,134	55,583
Housekeepers and stewards	17,262	204,350	221,612
Janitors and sextons	149,590	29,038	178,628
Laborers (domestic and professional service)	31,224	1,669	32,893
Launderers and laundresses (not in laundry)	10,882	385,874	396,756
Laundry operatives [2]	39,968	80,747	120,715
Foremen and overseers	2,076	1,535	3,611
Laborers	6,570	6,537	13,107
Other operatives [2]	31,322	72,675	103,997
Laundry owners, officials, and managers [2]	12,239	1,453	13,692
Managers and officials	4,081	584	4,665
Owners and proprietors [2]	8,158	869	9,027
Midwives and nurses (not trained)	19,338	137,431	156,769
Midwives	.....	4,773	4,773
Nurses (not trained)	19,338	132,658	151,996
Porters (except in stores)	87,683	485	88,168
Porters, domestic and professional service	42,929	279	43,208
Porters, steam railroad	22,486	27	22,513
Other porters (except in stores)	22,268	179	22,447
Restaurant, café, and lunch room keepers	72,343	15,644	87,987
Servants	258,813	1,012,133	1,270,946
Bell boys, chore boys, etc	16,472	759	17,231
Butlers	10,689	1	10,690
Chambermaids	250	29,052	29,302
Coachmen and footmen	2,427	.....	2,427
Cooks	129,857	268,618	398,475
Ladies' maids, valets, etc	1,268	4,523	5,791
Nurse maids	11	11,879	11,890
Other servants	97,839	697,301	795,140
Waiters	112,064	116,921	228,985
Other pursuits	78,475	6,492	84,967
Bartenders	25,976	109	26,085
Bathhouse keepers and attendants	2,032	826	2,858
Cemetery keepers	5,496	44	5,540
Cleaners and renovators (clothing, etc.)	17,094	4,573	21,667
Hunters, trappers, and guides	7,288	44	7,332
Saloon keepers	17,312	523	17,835
Umbrella menders and scissors grinders	899	18	917
Other occupations	2,378	355	2,733

[1] Includes, also, all technical engineers not elsewhere classified.
[2] Some of the owners of hand laundries probably are included with laundry operatives.

No. 201.—Total Persons 10 Years of Age and Over Engaged in Each Specified Occupation: By Sex, 1920—Continued.

Occupation.	Male.	Female.	Total.
Clerical occupations	1,700,425	1,426,116	3,126,541
Agents, canvassers, and collectors	159,941	15,831	175,772
Agents	121,428	8,910	130,338
Canvassers	10,514	4,191	14,705
Collectors	27,999	2,730	30,729
Bookkeepers, cashiers, and accountants	375,564	359,124	734,688
Accountants and auditors	105,073	13,378	118,451
Bookkeepers and cashiers	270,491	345,746	616,237
Clerks (except clerks in stores)	1,015,742	472,163	1,487,905
Shipping clerks	118,944	4,740	123,684
Weighers	14,730	1,499	16,229
Other clerks	882,068	465,924	1,347,992
Messenger, bundle, and office boys and girls [1]	98,768	14,254	113,022
Bundle and cash boys and girls	2,506	4,467	6,973
Messenger, errand, and office boys and girls	96,262	9,787	106,049
Stenographers and typists	50,410	564,744	615,154
Grand total all occupations	33,064,737	8,549,511	41,614,248
Population 10 years of age and over	42,289,969	40,449,346	82,739,315

[1] Except telegraph messengers.

No. 202.—POPULATION 10 YEARS OF AGE AND UPWARD ENGAGED IN GAINFUL OCCUPATIONS, CENSUS YEARS 1910 AND 1920: BY SEX, BY STATES, AND BY GEOGRAPHIC DIVISIONS.

[Source: Reports of the Bureau of the Census, Department of Commerce.]

State.	1910			1920		
	Male.	Female.	Total.	Male.	Female.	Total.
Alabama	683,194	314,330	997,524	684,348	223,868	908,216
Arizona	77,236	10,589	87,825	112,193	18,386	130,579
Arkansas	510,410	161,993	672,403	518,754	115,810	634,564
California	932,752	174,916	1,107,668	1,226,113	286,647	1,512,760
Colorado	285,083	53,641	338,724	303,870	62,587	366,457
Connecticut	370,481	119,981	490,462	443,653	146,252	589,905
Delaware	68,317	17,546	85,863	73,122	18,102	91,224
District of Columbia	105,044	52,921	157,965	143,401	92,626	236,027
Florida	248,926	73,161	322,087	300,050	85,262	385,312
Georgia	807,185	352,941	1,160,126	840,412	288,745	1,129,157
Idaho	118,050	13,038	131,088	135,950	17,509	153,459
Illinois	1,865,422	431,356	2,296,778	2,086,800	540,938	2,627,738
Indiana	880,979	155,731	1,036,710	931,647	185,385	1,117,032
Iowa	694,799	131,514	826,313	717,377	141,321	858,698
Kansas	540,639	80,694	621,333	531,881	92,510	624,391
Kentucky	719,369	147,611	866,980	719,629	131,493	851,122
Louisiana	501,574	177,609	679,183	528,507	152,726	681,233
Maine	242,175	63,282	305,457	245,013	64,845	309,858
Maryland	410,884	130,280	541,164	466,257	137,221	603,478
Massachusetts	1,086,767	444,301	1,531,068	1,225,163	503,155	1,728,318
Michigan	926,815	186,183	1,112,998	1,228,631	245,383	1,474,014
Minnesota	689,847	145,605	835,452	742,947	164,066	907,013
Mississippi	574,279	305,366	879,645	526,446	194,964	721,410
Missouri	1,076,772	211,564	1,288,336	1,072,545	244,615	1,317,160
Montana	159,896	18,851	178,747	185,905	28,278	214,183
Nebraska	377,811	63,303	441,114	385,292	71,789	457,081
Nevada	40,535	4,375	44,910	33,214	4,334	37,548
New Hampshire	143,363	48,340	191,703	143,525	49,302	192,827
New Jersey	834,795	239,565	1,074,360	1,014,663	295,990	1,310,653
New Mexico	106,418	15,079	121,497	107,090	14,941	122,031
New York	3,020,158	983,686	4,003,844	3,367,909	1,135,295	4,503,204
North Carolina	674,849	272,990	947,839	693,155	202,697	895,852
North Dakota	188,372	29,046	217,418	178,754	28,328	207,082
Ohio	1,572,343	346,712	1,919,055	1,891,546	490,970	2,301,516
Oklahoma	520,376	78,253	598,629	586,834	94,594	681,428
Oregon	264,691	40,473	305,164	267,791	54,492	322,283
Pennsylvania	2,525,245	605,436	3,130,681	2,740,127	686,232	3,426,359
Rhode Island	180,962	70,939	251,901	194,438	80,562	275,000
South Carolina	460,794	267,833	728,627	468,601	205,656	674,257
South Dakota	190,363	28,714	219,077	186,885	29,686	216,571
Tennessee	682,248	173,298	855,546	677,988	152,108	830,096
Texas	1,228,422	328,444	1,556,866	1,415,180	303,843	1,719,023
Utah	113,113	18,427	131,540	127,418	21,783	149,201
Vermont	115,781	28,308	144,089	111,585	26,899	138,484
Virginia	626,868	168,700	795,568	677,366	156,210	833,576
Washington	455,375	66,126	521,501	485,767	92,900	578,667
West Virginia	394,390	54,100	448,490	433,677	57,439	491,116
Wisconsin	729,804	162,608	892,412	813,184	182,365	995,549
Wyoming	67,593	6,013	73,606	72,134	9,402	81,536
Total	30,091,564	8,075,772	38,167,336	33,064,737	8,549,511	41,614,248
Geographic divisions.						
New England	2,139,529	775,151	2,914,680	2,363,377	871,015	3,234,392
Middle Atlantic	6,380,198	1,828,687	8,208,885	7,122,699	2,117,517	9,240,216
East North Central	5,975,363	1,282,590	7,257,953	6,951,808	1,564,041	8,515,849
West North Central	3,758,603	690,440	4,449,043	3,815,681	772,315	4,587,996
South Atlantic	3,797,257	1,390,472	5,187,729	4,096,041	1,243,958	5,339,999
East South Central	2,659,090	940,605	3,599,695	2,608,411	702,433	3,310,844
West South Central	2,760,782	746,299	3,507,081	3,049,275	666,973	3,716,248
Mountain	967,924	140,013	1,107,937	1,077,774	177,220	1,254,994
Pacific	1,652,818	281,515	1,934,333	1,979,671	434,039	2,413,710

No. 203.—WAGE EARNERS: NUMBER EMPLOYED IN MANUFACTURES, 1921, BY MONTHS AND BY SELECTED INDUSTRIES.

[Source: Reports of the Bureau of the Census, Department of Commerce.]

Industry.	Average number.	Maximum.		Minimum.	
		Month.	Number.	Month.	Number.
Agricultural implements	30,359	Jan.	45,890	Sept.	15,580
Airplanes, seaplanes, and airships, and parts	1,395	Apr.	1,636	Oct.	1,160
Aluminum manufactures	9,584	Mar.	11,097	July	7,847
Ammunition	8,370	Feb.	10,242	Sept.	6,792
Artificial flowers	3,977	Mar.	4,812	July	3,247
Artificial limbs	500	Jan.	512	Aug.	492
Artificial-stone products	6,984	Sept.	7,761	Feb.	5,566
Artists' materials	1,009	Jan.	1,186	July	746
Asbestos products, not including steam packing	2,026	Jan.	2,431	Sept.	1,880
Automobile bodies and parts	69,119	May	79,363	Jan.	45,158
Automobiles	143,658	May	165,636	Jan.	81,125
Awnings, tents, and sails	5,069	June	7,043	Jan.	3,600
Babbitt metal and solder	1,372	Oct.	1,450	Aug.	1,228
Bags, other than paper, not including bags made in textile mills	10,150	Oct.	11,824	Jan.	8,998
Bags, paper, exclusive of those made in paper mills	3,707	Dec.	4,752	June	3,016
Baking powder and yeast	3,557	Aug.	3,660	Jan.	3,460
Baskets and rattan and willow ware	4,795	Apr.	5,436	Dec.	4,246
Bells	203	Jan.	226	Aug.	179
Belting and hose rubber	3,007	Feb.	3,303	Sept.	2,646
Belting and hose, woven, other than rubber	1,118	Mar.	1,184	Jan.	1,041
Belting, leather	2,268	Dec.	2,417	May	2,089
Billiard tables, bowling alleys, and accessories	925	Apr.	983	Jan.	862
Blacking, stains, and dressings	1,666	Apr.	1,842	Jan.	1,155
Bluing	226	Oct.	239	Jan.	209
Bone carbon and lampblack	826	Jan.	911	May	767
Bookbinding and blank-book making	17,465	Jan.	18,708	May	16,027
Boot and shoe cut stock, exclusive of that produced in boot and shoe factories	7,049	Oct.	8,045	Jan.	4,864
Boot and shoe findings, exclusive of those produced in boot and shoe factories	5,916	Sept.	6,383	Jan.	4,689
Boots and shoes, not including rubber boots and shoes	183,503	Sept.	200,953	Jan.	139,392
Boots and shoes, rubber	23,888	Jan.	28,630	June	16,418
Boxes, cigar	4,657	Nov.	5,036	June	4,447
Boxes, paper and other not elsewhere specified	46,242	Nov.	51,561	July	43,079
Boxes, wooden packing except cigar boxes	32,595	Nov.	33,433	Jan.	31,200
Brass, bronze, and copper products	39,830	Jan.	42,383	July	37,023
Bread and other bakery products	148,500	Oct.	152,848	Jan.	143,882
Brick and tile, terra-cotta, and fire-clay products	68,759	June	75,705	Feb.	57,361
Brooms	4,302	Nov.	4,858	Jan.	3,786
Brushes	6,459	Dec.	6,867	Aug.	6,024
Butter	18,506	July	21,257	Jan.	15,678
Butter, reworking	44	July	51	June	36
Buttons	9,686	Dec.	11,339	Jan.	6,166
Candles	609	Dec.	757	July	523
Canning and preserving, fish	6,916	Sept.	12,120	Jan.	3,932
Canning and preserving, fruits and vegetables	38,668	Sept.	95,535	Feb.	9,849
Canning and preserving, oysters	1,030	Mar.	1,672	July	132
Card cutting and designing	762	Jan.	836	June	720
Cardboard, not made in paper mills	1,158	Jan.	1,243	Sept.	1,107
Carpets and rugs, other than rag	22,922	Dec.	29,865	Mar.	17,227
Carpets, rag	1,576	June	1,713	Jan.	1,246
Carriage and wagon materials	2,747	Apr.	2,922	Feb.	2,323
Carriages and sleds, children's	5,460	Oct.	6,399	Jan.	3,542
Carriages and wagons, including repairs	7,798	Jan.	8,376	Sept.	7,170
Cars and general shop construction and repairs by electric-railroad companies	33,279	Jan.	33,985	Nov.	32,571
Cars and general shop construction and repairs by steam-railroad companies	385,006	Jan.	450,885	June	340,206
Cars, electric-railroad, not including operations of railroad companies	2,912	Jan.	3,598	Dec.	2,304
Cars, steam-railroad, not including operations of railroad companies	45,123	Jan.	64,254	Sept.	33,705
Cash registers and calculating machines	9,786	Jan.	13,168	July	8,854
Cement	26,231	Sept.	28,043	Jan.	22,198
Charcoal, not including production in the lumber and wood-distillation industries	269	Mar.	391	July	117
Cheese	3,498	June	4,149	Jan.	2,540
Chemicals	46,306	Jan.	52,958	July	42,885
Chewing gum	1,994	May	2,325	Jan.	1,394
China decorating, not including that done in potteries	325	May	337	Jan.	302
Chocolate and cocoa products	6,652	Oct.	8,286	July	5,494
Cleansing and polishing preparations	1,687	Nov.	1,835	Jan.	1,473

No. 203.—Wage Earners: Number Employed in Manufactures, 1921, by Months and by Selected Industries—Continued.

Industry.	Average number.	Maximum.		Minimum.	
		Month.	Number.	Month.	Number.
Clocks	6,518	Jan.	7,463	July	4,918
Cloth, sponging and refinishing	1,123	July	1,181	Jan.	1,031
Clothing, horse	705	Jan.	839	July	552
Clothing, men's	165,206	Sept.	182,846	Jan.	123,900
Clothing, men's buttonholes	329	May	339	Jan.	303
Clothing, women's	144,865	Mar.	155,195	Dec.	127,378
Coffee and spice, roasting and grinding	8,882	Oct.	9,422	May	8,622
Coffins, burial cases and undertakers' goods	9,956	Dec.	10,349	July	9,644
Coke, not including gas-house coke	16,070	Jan.	23,676	Aug.	12,877
Collars and cuffs, men's	9,285	Apr.	10,724	Aug.	4,085
Combs and hairpins, except those made from metal or rubber	1,321	Oct.	1,543	Jan.	1,167
Condensed milk	9,462	June	11,967	Jan.	6,713
Confectionery and ice cream	81,213	Oct.	91,558	Jan.	69,997
Cooperage	9,816	Oct.	10,474	July	8,991
Copper, tin, and sheet-iron work	25,172	Nov.	26,567	May	24,094
Cordage and twine	14,593	Dec.	16,131	July	11,901
Cordials and flavoring sirups	1,408	July	1,821	Dec.	1,054
Cork, cutting	2,774	Jan.	3,254	July	2,536
Corsets	17,084	May	18,468	Jan.	14,552
Cotton goods	412,058	Dec.	444,854	Jan.	374,900
Cotton lace	6,396	Oct.	6,883	Jan.	5,301
Cotton small wares	7,363	Nov.	8,184	Jan.	6,102
Crucibles	412	Jan.	548	Oct.	334
Cutlery and edge tools	14,345	Nov.	15,076	July	12,930
Dairymen's, poultrymen's, and apiarists' supplies	3,840	Feb.	4,625	Aug.	3,177
Dental goods	4,137	Jan.	4,514	Nov.	3,952
Drug grinding	840	Nov.	944	May	767
Druggists' preparations	10,838	Jan.	11,798	July	10,300
Dyeing and finishing textiles, exclusive of that done in textile mills	51,510	Nov.	55,211	Jan.	41,410
Dyestuffs and extracts, natural	2,993	Oct.	3,346	Jan.	2,531
Electrical machinery, apparatus, and supplies	161,204	Jan.	187,075	July	149,697
Electroplating	2,460	Nov.	2,587	Jan.	2,246
Emery and other abrasive wheels	2,849	Jan.	3,015	Nov.	2,343
Enameling	456	Nov.	505	Sept.	402
Engines, steam, gas, and water	35,567	Jan.	39,546	Sept.	30,564
Engravers' materials	184	Oct.	204	June	168
Engraving and diesinking	1,276	Jan.	1,331	July	1,225
Engraving, steel and copper plate, including plate printing	7,156	Jan.	7,410	Aug.	6,908
Engraving, wood	132	June	137	Dec.	124
Envelopes	7,945	Jan.	8,636	Sept.	7,555
Explosives	4,478	Jan.	5,169	May	4,251
Fancy articles, not elsewhere specified	11,534	Nov.	12,729	July	10,757
Feathers and plumes	2,064	Mar.	2,278	June	1,914
Felt goods	4,180	Nov.	4,580	May	3,889
Fertilizers	16,898	Mar.	26,745	July	12,346
Files	3,595	Jan.	4,802	July	2,785
Firearms	4,726	Mar.	5,361	Dec.	4,127
Fire extinguishers, chemical	580	Jan.	691	Aug.	491
Fireworks	1,229	June	1,477	Dec.	963
Flags and banners	991	June	1,088	Jan.	743
Flavoring extracts	2,054	July	2,257	Jan.	1,844
Flax and hemp, dressed	112	May	188	Nov.	33
Flour-mill and gristmill products	35,378	Sept.	38,691	May	32,875
Food preparations, not elsewhere specified	22,868	Nov.	26,347	May	20,371
Foundry and machine-shop products	321,363	Jan.	384,084	Oct.	291,712
Foundry supplies	567	Oct.	630	June	506
Fuel, manufactured	371	Jan.	440	Apr.	284
Fur goods	12,052	Oct.	14,316	Jan.	9,151
Furnishing goods, men's	15,921	Dec.	17,378	Jan.	13,784
Furniture	122,252	Nov.	138,655	Jan.	100,517
Furs, dressed	4,429	June	4,698	Jan.	3,109
Galvanizing and other coating processes	685	Nov.	733	July	622
Gas and electric fixtures	9,419	Dec.	10,680	Aug.	8,787
Gas, illuminating and heating	34,956	Jan.	36,814	Dec.	34,333
Gas machines and gas and water meters	4,279	Jan.	4,823	Aug.	3,818
Glass	54,748	Dec.	66,675	July	42,016
Glass cutting, staining and ornamenting	4,682	Feb.	5,047	July	4,124
Gloves and mittens, cloth	5,758	Feb.	6,670	July	4,465
Gloves and mittens, leather	7,907	Sept.	8,859	Jan.	6,602
Glucose and starch	6,131	Nov.	6,683	Jan.	5,010
Glue, not elsewhere specified	2,915	Jan.	3,372	Aug.	2,309
Gold and silver, leaf and foil	1,104	Mar.	1,134	Aug.	1,069
Gold and silver, reducing and refining not from the ore	786	Nov.	809	Feb.	758
Graphite, ground and refined	152	Feb.	222	Aug.	104

No. 203.—WAGE EARNERS: NUMBER EMPLOYED IN MANUFACTURES, 1921, BY MONTHS AND BY SELECTED INDUSTRIES—Continued.

Industry.	Average number.	Maximum.		Minimum.	
		Month.	Number.	Month.	Number.
Grease and tallow, not including lubricating greases	4,410	Sept.	4,496	May	4,257
Grindstones	393	June	481	Dec.	277
Haircloth	301	Dec.	350	Jan.	183
Hairwork	1,222	Oct.	1,291	Jan.	1,151
Hammocks	51	June	65	Aug.	38
Hand stamps	1,836	Jan.	2,007	Sept.	1,742
Hardware	33,802	Jan.	36,624	July	30,719
Hardware, saddlery	1,425	Apr.	1,564	July	850
Hat and cap materials	1,722	Dec.	2,156	Jan.	1,093
Hats and caps, other than felt, straw, and wool	6,505	Sept.	6,962	Jan.	5,130
Hats, fur-felt	13,880	Oct.	15,753	Jan.	10,119
Hats, straw	5,924	Mar.	7,573	July	3,578
Hats, wool-felt	1,428	Oct.	1,882	Jan.	846
Hones and whetstones	95	Jan.	127	Aug.	66
Horseshoes, not made in steel works or rolling mills	207	Jan.	239	Aug.	169
House-furnishing goods, not elsewhere specified	7,505	Nov.	8,633	Jan.	6,242
Ice, manufactured	24,066	July	32,311	Jan.	16,812
Ink, printing	1,677	Jan.	1,776	Sept.	1,608
Ink, writing	504	Feb.	566	June	434
Instruments, professional and scientific	9,384	May	10,337	Nov.	8,726
Iron and steel, blast furnaces	18,698	Jan.	30,818	Aug.	13,913
Iron and steel, steelworks and rolling mills	235,515	Jan.	293,284	July	183,024
Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills	10,148	Jan.	13,687	Aug.	8,082
Iron and steel, cast-iron pipe	12,496	Nov.	13,986	Jan.	10,183
Iron and steel, doors and shutters	1,782	Jan.	2,090	Aug.	1,612
Iron and steel forgings, not made in steelworks or rolling mills	16,740	Jan.	17,981	July	13,679
Iron and steel, nails and spikes, cut and wrought, including wire nails, not made in steelworks or rolling mills	2,412	Dec.	2,750	Aug.	2,182
Iron and steel, tempering and welding	1,210	Jan.	1,273	Dec.	1,168
Iron and steel wrought pipe	8,728	Jan.	10,362	Aug.	7,542
Ivory, shell, and bone work, not including combs and hairpins	674	Jan.	763	Dec.	636
Japanning	159	Sept.	169	Feb.	140
Jewelry	23,482	Feb.	24,476	July	21,868
Jewelry and instrument cases	2,241	Nov.	2,593	July	1,895
Jute goods	5,664	Mar.	6,228	Oct.	4,952
Knit goods	161,880	Nov.	187,037	Jan.	116,232
Labels and tags	4,152	Dec.	4,381	Feb.	3,989
Lamps and reflectors	6,447	Nov.	7,233	Jan.	5,685
Lapidary work	399	Mar.	588	Aug.	304
Lasts	2,618	Sept.	2,812	Jan.	2,219
Lead, bar, pipe, and sheet	882	Sept.	953	Jan.	812
Leather goods not elsewhere specified	8,557	Nov.	9,491	Jan.	7,704
Leather, tanned, curried, and finished	48,955	Dec.	54,458	Jan.	39,440
Lime	10,345	Aug.	10,995	Jan.	9,168
Linen goods	2,519	Dec.	3,022	July	2,029
Liquors, distilled	1,141	Jan.	1,370	July	1,007
Liquors, malt	18,551	July	21,921	Dec.	15,489
Liquors, vinous	415	Oct.	655	July	289
Lithographing	13,971	Jan.	14,830	July	13,586
Locomotives, not made by railroad companies	16,583	Jan.	28,990	Nov.	12,509
Looking-glass and picture frames	3,846	Oct.	4,038	Jan.	3,448
Lubricating greases	420	Jan.	446	Sept.	402
Lumber and timber products	364,247	Nov.	380,511	Jan.	348,552
Lumber, planing-mill products, not including planing mills connected with sawmills	78,033	Nov.	84,389	Jan.	68,411
Machine tools	21,307	Jan.	36,516	Nov.	14,767
Malt	616	Jan.	679	Dec.	542
Marble and stone work	30,260	Sept.	32,424	Jan.	26,781
Matches	4,530	Jan.	5,207	July	3,928
Mats and matting, from cocoa fiber, grass and coir	628	Dec.	852	Aug.	422
Mattresses and spring beds, not elsewhere specified	11,749	Oct.	12,974	Jan.	9,826
Millinery and lace goods, not elsewhere specified	53,701	Mar.	60,330	Nov.	47,887
Millstones	110	July	128	Dec.	85
Mineral and soda waters	14,651	July	19,171	Dec.	11,648
Minerals and earths, ground or otherwise treated	6,887	Jan.	7,795	July	6,405
Mirrors, framed and unframed, not elsewhere specified	2,368	Dec.	2,616	Jan.	2,242
Models and patterns, not including paper patterns	3,936	Mar.	4,235	Sept.	3,739
Motion pictures	6,259	Apr.	7,373	Aug.	5,581
Motor cycles, bicycles, and parts	4,308	Jan.	5,760	June	2,593

No. 203.—WAGE EARNERS: NUMBER EMPLOYED IN MANUFACTURES, 1921, BY MONTHS AND BY SELECTED INDUSTRIES—Continued.

Industry.	Average number.	Maximum.		Minimum.	
		Month.	Number.	Month.	Number.
Mucilage, paste, and other adhesives not elsewhere specified	757	Aug.	797	Feb.	687
Musical instruments and materials not specified	3,424	Apr.	3,629	Sept.	3,149
Musical instruments, organs	2,346	Oct.	2,383	Sept.	2,288
Musical instruments, pianos	15,836	Dec.	18,427	Jan.	14,242
Musical instruments, piano and organ materials	5,569	Dec.	7,088	Feb.	4,359
Needles, pins, and hooks and eyes	6,542	Aug.	7,533	Jan.	5,638
Nets and seines	705	Oct.	787	July	661
Oakum	53	June	65	Apr.	32
Oil and cake, cottonseed	16,163	Nov.	25,240	July	8,256
Oil, essential	299	Aug.	393	Oct.	231
Oil, linseed	2,073	Dec.	2,243	May	1,917
Oil, not elsewhere specified	3,536	Oct.	4,377	Mar.	3,065
Oilcloth and linoleum floor	5,693	Dec.	6,385	Jan.	3,512
Oilcloth, enameled	947	Oct.	1,008	Jan.	836
Oleomargarine and other butter substitutes	2,041	Jan.	2,636	July	1,538
Optical goods	11,119	Jan.	12,347	July	9,531
Ordnance and accessories	902	Mar.	1,207	Nov.	628
Paints	13,877	May	14,681	Aug.	13,249
Paper and wood pulp	105,294	Feb.	112,585	May	96,722
Paper goods, not elsewhere specified	11,510	Dec.	12,342	Sept.	11,043
Paper patterns	816	Nov.	837	July	792
Patent medicines and compounds	13,800	Nov.	14,815	June	13,031
Paving materials	15,387	Aug.	18,810	Jan.	10,290
Peanuts, grading, roasting, cleaning and shelling	2,099	Dec.	2,823	July	1,521
Pencils, lead	5,134	Feb.	5,859	July	4,491
Pens, fountain and stylographic	2,742	Mar.	2,877	Aug.	2,595
Pens, gold	289	Jan.	350	Apr.	222
Pens, steel	372	Dec.	442	Apr.	322
Perfumery and cosmetics	5,838	Nov.	6,242	Jan.	5,404
Petroleum refining	63,189	Jan.	72,239	Sept.	56,587
Phonograph and graphophones	17,938	Jan.	20,408	Aug.	14,696
Photographic apparatus	1,441	Mar.	1,684	Nov.	1,143
Photographic materials	9,249	Jan.	10,511	Oct.	7,464
Photo-engraving, not done in printing establishments	6,971	Mar.	7,181	Aug.	6,827
Pickles, preserves, and sauces	13,061	Sept.	19,338	Jan.	9,529
Pipes, tobacco	1,765	Oct.	1,927	Jan.	1,268
Plated ware	9,535	Mar.	10,322	July	7,760
Plumbers' supplies	16,670	Dec.	18,026	July	15,463
Pocketbooks	2,715	Oct.	3,024	June	2,540
Pottery	28,458	Mar.	29,739	July	26,088
Poultry, killing and dressing, not done in slaughtering and meat-packing establishments	2,255	Nov.	4,327	Feb.	1,238
Printing and publishing, book and job	121,055	Jan.	125,522	May	114,340
Printing and publishing, music	900	Dec.	918	Jan.	873
Printing and publishing, newspapers and periodicals	108,746	Dec.	111,567	July	106,768
Printing materials	816	Jan.	854	July	775
Pulp, from fiber other than wood	55	Nov.	149	Apr.	16
Pulp goods	4,717	Apr.	5,169	Aug.	4,209
Pumps, not including power pumps	3,695	Jan.	4,097	Aug.	3,373
Pumps, steam and other power	8,491	Jan.	11,196	Oct.	7,139
Refrigerators	5,804	Dec.	6,584	Aug.	4,869
Regalia, and society badges and emblems	2,204	June	2,329	Jan.	1,977
Rice, cleaning and polishing	1,940	Nov.	2,829	Aug.	1,333
Roofing materials	6,908	Oct.	7,631	Mar.	6,543
Rubber tires, tubes	55,496	Aug.	68,075	Jan.	38,092
Rubber goods not elsewhere specified	20,882	Dec.	22,556	Jan.	18,267
Rules, ivory and wood	188	Dec.	207	July	158
Saddlery and harness	4,489	Dec.	4,975	Aug.	4,057
Safes and vaults	3,547	Jan.	4,077	Dec.	3,162
Salt	5,993	Oct.	6,533	Jan.	5,255
Sand and emery paper and cloth	680	Nov.	831	Apr.	589
Sand-lime brick	374	Oct.	477	Jan.	323
Sausage, not made in slaughtering and meat-packing establishments	3,872	Nov.	4,038	Apr.	3,747
Saws	3,788	Jan.	4,672	July	3,160
Scales and balances	3,720	Jan.	4,645	Aug.	3,128
Screws, machine	5,911	Jan.	7,414	Dec.	4,992
Screws, wood	2,742	Jan.	3,657	Sept.	1,900
Sewing machines and sewing-machine cases and attachments	12,569	Jan.	13,082	Dec.	12,275
Shipbuilding, steel	93,323	Jan.	153,705	Dec.	44,862
Shipbuilding, wooden, including boat building	13,122	Jan.	16,223	Dec.	10,963
Shirts	45,427	Nov.	50,662	Jan.	36,971
Show cases	2,058	Oct.	2,202	Jan.	1,794

No. 203.—WAGE EARNERS: NUMBER EMPLOYED IN MANUFACTURES, 1921, BY MONTHS AND BY SELECTED INDUSTRIES—Continued.

Industry.	Average number.	Maximum.		Minimum.	
		Month.	Number.	Month.	Number.
Signs and advertising novelties	10,312	Dec.	11,311	Feb.	9,809
Silk goods	121,378	Aug.	133,334	Jan.	93,604
Silversmithing and silverware	5,287	Nov.	5,738	Jan.	4,961
Slaughtering and meat packing	117,042	Jan.	126,811	Apr.	107,124
Smelting and refining, copper	8,293	Jan.	12,476	June	6,602
Smelting and refining, lead	4,509	Jan.	5,710	July	3,838
Smelting and refining, zinc	5,778	Jan.	7,368	Aug.	5,109
Smelting and refining, metals, not elsewhere specified	305	Mar.	437	Oct.	225
Smelting and refining, not from the ore	1,200	Mar.	1,312	Sept.	1,071
Soap	16,558	Oct.	18,466	Jan.	13,999
Soda-water apparatus	2,144	Nov.	2,449	Sept.	1,789
Sporting and athletic goods	7,063	Mar.	7,557	Sept.	6,529
Springs, steel, car and carriage, not made in steel works	5,358	Apr.	5,789	Feb.	4,850
Stamped and enameled ware, not elsewhere specified	24,191	Nov.	26,458	Jan.	22,637
Stationery goods, not elsewhere specified	11,285	Nov.	11,690	July	10,803
Statuary and art goods	1,634	Oct.	1,725	June	1,532
Steam fittings and steam and hot-water heating apparatus	30,808	Feb.	34,667	Aug.	27,432
Steam packing	4,877	Jan.	5,556	Aug.	4,499
Steel barrels, drums, and tanks, portable	2,013	Dec.	2,297	Sept.	1,665
Stencils and brands	232	Mar.	243	July	216
Stereotyping and electrotyping	3,617	Mar.	3,668	July	3,557
Stoves and hot-air furnaces	24,531	Oct.	29,250	Jan.	19,649
Stoves, gas and oil	7,921	Nov.	8,843	Sept.	6,801
Structural ironwork, not made in steelworks or rolling mills	32,897	Jan.	38,290	Dec.	30,527
Sugar, beet	13,602	Nov.	32,206	Feb.	4,525
Sugar cane	2,724	Dec.	11,324	Mar.	320
Sugar refining, not including beet sugar	15,457	Mar.	18,132	Jan.	13,013
Sulphuric, nitric, and mixed acids	2,832	Jan.	3,490	Sept.	2,462
Surgical appliances	4,310	Nov.	4,482	Jan.	4,129
Suspenders, garters, and elastic woven goods	9,493	Oct.	10,995	Jan.	6,562
Textile machinery and parts	31,025	Jan.	34,113	Oct.	29,710
Theatrical scenery	169	May	183	July	147
Tin and other foils, not elsewhere specified	2,178	Nov.	2,654	Jan.	1,892
Tin plate and terneplate	452	Nov.	655	Mar.	153
Tinware, not elsewhere specified	22,711	Sept.	24,929	Jan.	20,555
Tobacco, chewing and smoking, and snuff	16,628	Oct.	17,031	Jan.	15,594
Tobacco, cigars, and cigarettes	133,357	Nov.	140,642	Jan.	127,947
Tools, not elsewhere specified	19,453	Jan.	24,071	July	16,174
Toys and games	9,448	Oct.	10,299	Jan.	8,188
Trunks and valises	8,712	Sept.	9,301	Jan.	7,317
Turpentine and rosin	27,422	Aug.	28,370	Mar.	26,515
Type founding	608	Feb.	696	Aug.	529
Typewriters and supplies	13,381	Jan.	16,193	Aug.	9,102
Umbrellas and canes	3,149	Dec.	3,665	Jan.	2,718
Upholstering materials, not elsewhere specified	3,271	Oct.	3,502	Jan.	2,753
Varnishes	4,138	May	4,396	Feb.	3,954
Vault lights and ventilators	245	Nov.	294	Feb.	213
Vinegar and cider	1,480	Nov.	2,069	Jan.	1,044
Wall paper, not made in paper mills	3,988	Jan.	4,960	Aug.	2,457
Wall plaster and composition flooring	4,898	Sept.	5,388	Jan.	4,209
Washing machines and clothes wringers	4,147	Nov.	4,711	Jan.	3,111
Waste	1,863	Nov.	2,082	June	1,655
Watch and clock materials, except watchcases	391	Feb.	467	Sept.	327
Watchcases	3,698	Jan.	4,483	Dec.	3,189
Watches	12,174	Jan.	14,113	Sept.	9,987
Wheelbarrows	228	Jan.	342	Oct.	172
Whips	292	Jan.	456	Aug.	199
Windmills	1,383	Jan.	1,693	Dec.	1,219
Window and door screens and weather strips	2,129	Apr.	2,392	Aug.	1,875
Window shades and fixtures	3,781	Nov.	4,466	Jan.	3,166
Wire	14,832	Jan.	17,678	July	12,851
Wirework, not elsewhere specified	11,485	Apr.	12,149	Aug.	10,808
Wood distillation	1,861	Jan.	2,512	Aug.	1,341
Wood preserving	4,153	Jan.	4,963	Dec.	3,593
Wood turned and carved	9,144	Jan.	10,154	Aug.	8,198
Wooden goods, not elsewhere specified	5,595	Dec.	6,265	Jan.	4,786
Wool pulling	552	Apr.	625	Aug.	472
Wool scouring	1,536	Dec.	2,005	Jan.	945
Wool shoddy	1,170	Nov.	1,402	Jan.	851
Woolen and worsted goods	56,434	June	63,807	Jan.	32,387
Total industries: 1921	6,947,556	Nov.	7,190,159	July	6,756,612
1919	9,096,372	Dec.	9,663,170	Apr.	8,666,549
1914	7,036,247	Mar.	7,242,662	Dec.	6,640,194
1909	6,615,046	Nov.	7,006,853	Jan.	6,210,063

No. 204.—WAGE EARNERS: NUMBER EMPLOYED IN MANUFACTURES, 1921, BY MONTHS AND STATES, AND BY GEOGRAPHIC DIVISIONS.

[Source: Reports of the Bureau of the Census, Department of Commerce.]

State.	Average number.	Maximum.		Minimum.	
		Month.	Number.	Month.	Number.
Alabama	82,752	Jan.	87,142	May	78,632
Arizona	4,952	Jan.	6,791	Aug.	3,872
Arkansas	33,254	Nov.	36,856	June	31,087
California	198,311	Aug.	218,811	Dec.	178,243
Colorado	27,630	Oct.	32,651	June	24,738
Connecticut	210,993	Feb.	217,132	July	201,282
Delaware	17,755	Feb.	19,747	July	16,132
District of Columbia	8,641	Dec.	8,917	Apr.	8,380
Florida	53,287	Nov.	56,402	July	50,492
Georgia	98,265	Nov.	105,612	Jan.	91,920
Idaho	10,782	Oct.	11,965	Mar.	9,589
Illinois	513,973	Nov.	536,297	July	492,042
Indiana	206,424	Oct.	213,281	July	196,125
Iowa	62,275	Sept.	65,625	Jan.	59,243
Kansas	44,943	Nov.	47,040	Apr.	43,230
Kentucky	58,833	Nov.	61,644	July	56,070
Louisiana	85,166	Nov.	97,909	July	80,361
Maine	75,704	Nov.	79,639	July	72,574
Maryland	107,086	Sept.	113,133	July	102,003
Massachusetts	579,070	Nov.	597,106	Jan.	531,656
Michigan	304,474	Sept.	333,427	Jan.	219,989
Minnesota	85,809	Feb.	93,175	June	80,671
Mississippi	42,224	Nov.	46,560	May	38,721
Missouri	156,387	Oct.	165,043	Jan.	148,900
Montana	11,386	Jan.	13,565	May	10,469
Nebraska	27,651	Oct.	29,679	Apr.	25,447
Nevada	2,392	Feb.	2,540	Dec.	2,165
New Hampshire	67,419	Dec.	72,806	Jan.	60,159
New Jersey	381,773	Apr.	390,550	Dec.	373,587
New Mexico	4,478	Jan.	5,208	Apr.	4,033
New York	1,001,661	Oct.	1,036,976	Jan.	963,474
North Carolina	135,835	Nov.	149,152	Jan.	124,365
North Dakota	3,107	Aug.	3,389	Mar.	2,741
Ohio	494,289	Jan.	514,444	July	467,536
Oklahoma	22,234	Dec.	22,863	July	21,044
Oregon	40,152	Sept.	45,948	Jan.	32,905
Pennsylvania	863,916	Jan.	917,790	July	812,542
Rhode Island	112,748	Nov.	117,947	Jan.	102,024
South Carolina	76,257	Dec.	82,468	May	73,130
South Dakota	4,632	Jan.	4,775	Mar.	4,323
Tennessee	75,267	Nov.	81,909	Jan.	69,739
Texas	88,713	Jan.	92,500	June	84,336
Utah	13,312	Oct.	15,704	Apr.	11,229
Vermont	25,768	Feb.	26,903	July	24,290
Virginia	88,550	Oct.	90,512	Dec.	86,127
Washington	77,570	Oct.	86,057	Jan.	61,777
West Virginia	60,536	Jan.	64,860	July	55,703
Wisconsin	191,761	Nov.	197,776	May	186,004
Wyoming	7,253	Oct.	7,728	Dec.	6,602
Geographic divisions[1]					
New England	1,071,702	Nov.	1,107,344	Jan.	1,008,183
Middle Atlantic	2,247,350	Oct.	2,289,355	July	2,169,736
East North Central	1,710,921	Nov.	1,789,491	Jan.	1,559,488
West North Central	384,804	Oct.	400,876	Apr.	375,400
South Atlantic	646,212	Nov.	678,109	July	620,086
East South Central	259,076	Nov.	276,111	May	246,203
West South Central	229,367	Nov.	250,453	July	217,999
Mountain	82,185	Jan.	92,122	Apr.	76,724
Pacific	316,033	Sept.	344,270	Jan.	290,214
Total: 1921	6,947,650	Nov.	7,190,227	July	6,756,680
Grand total:					
1919	9,096,372	Dec.	9,663,170	Apr.	8,666,549
1914	7,036,247	Mar.	7,242,662	Dec.	6,640,194
1909	6,615,046	Nov.	7,006,853	Jan.	6,210,063

[1] For states included in each division see general note, p. 33.

No. 205.—WAGES AND HOURS OF LABOR (UNION): RELATIVE HOURS OF LABOR PER WEEK, RELATIVE RATES OF WAGES PER HOUR, AND RELATIVE RATES OF WAGES PER WEEK, COMPUTED FROM UNION SCALES, CALENDAR YEARS 1914 TO 1922.

[Source: Reports of the Bureau of Labor Statistics, Department of Labor. The figures are based on data obtained in the principal cities of the United States. The relative hours are percentages which indicate the change in the regular full-time working hours per week, account not being taken of loss of time from slack work or other causes. The relative wages are percentages which indicate the change in wages per hour and per full-time week. Hours and rates for 1913=100. The figures are based on the scale prevailing May 1, 1914 and 1915, and May 15, 1916, 1917, 1918, 1919, 1920, 1921, and 1922.]

Year.	Bakers.			Building trades. Bricklayers.			Building trades. Bricklayers, sewer, tunnel, and caisson.			Building trades. Building laborers.		
	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.
1914	99	102	102	100	102	102	100	100	100	100	101	101
1915	99	103	103	99	103	102	100	100	100	100	101	100
1916	98	107	105	99	104	103	100	100	100	99	106	104
1917	98	117	114	99	107	106	100	103	103	98	117	112
1918	96	142	136	99	115	114	100	111	111	98	137	130
1919	93	186	170	99	128	127	100	113	113	96	156	145
1920	90	264	234	99	175	173	100	152	152	95	226	208
1921	90	279	245	99	173	171	100	153	153	95	228	210
1922	90	267	237	99	168	166	100	149	149	94	214	196

Year.	Building trades—Continued. Carpenters.			Carpenters, parquetry-floor layers.			Cement finishers.			Cement finishers' helpers.		
	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.
1914	100	102	102	100	106	106	99	101	100	100	101	100
1915	100	103	103	100	107	107	99	102	101	100	101	101
1916	99	106	106	100	108	108	98	103	101	100	102	101
1917	99	115	115	100	116	116	97	109	106	100	106	106
1918	98	126	125	95	130	124	96	120	117	99	124	123
1919	98	146	144	95	149	142	95	135	130	99	141	140
1920	98	195	192	94	219	207	95	183	176	99	226	224
1921	98	198	195	94	220	207	95	188	181	99	226	224
1922	99	183	182	94	221	207	95	175	168	99	217	215

Year.	Building trades—Continued. Cement finishers' laborers.			Engineers, portable and hoisting.			Hod carriers.			Inside wiremen.		
	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.
1914	100	100	100	100	101	101	99	101	101	100	103	103
1915	100	100	100	99	102	101	99	102	102	99	105	104
1916	100	103	103	99	103	101	99	105	105	98	107	106
1917	100	110	109	98	108	106	99	117	117	98	114	112
1918	100	128	128	97	124	120	99	137	136	97	127	124
1919	99	145	144	96	136	130	98	160	159	97	146	141
1920	99	217	215	96	176	167	98	232	231	96	192	186
1921	99	216	215	96	178	171	98	238	236	96	202	196
1922	(1)	(1)	(1)	96	168	160	98	197	196	96	190	184

Year.	Building trades—Continued. Inside wiremen, fixture hangers.			Lathers.			Marble setters.			Marble setters' helpers.		
	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.
1914	99	106	105	100	102	102	100	101	101	100	101	100
1915	98	106	105	99	103	103	100	102	102	100	101	100
1916	96	110	107	99	106	105	100	102	102	100	101	100
1917	96	118	114	99	110	109	100	103	102	100	107	107
1918	96	129	125	99	119	117	100	108	107	100	112	112
1919	95	144	139	99	132	130	99	120	119	100	128	128
1920	95	194	186	98	189	185	99	158	157	100	216	216
1921	95	202	194	98	192	188	99	161	159	100	215	215
1922	95	192	185	98	181	177	99	157	156	100	200	200

[1] Included in cement finishers' helpers.

No. 205.—WAGES AND HOURS OF LABOR (UNION): RELATIVE HOURS OF LABOR PER WEEK, RELATIVE RATES OF WAGES PER HOUR, AND RELATIVE RATES OF WAGES PER WEEK, COMPUTED FROM UNION SCALES, CALENDAR YEARS 1914 TO 1922—Con.

Year.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.
	Building trades—Continued.											
	Painters.			Painters, fresco.			Painters, sign.			Plasterers.		
1914..	100	103	103	99	104	104	100	100	100	100	101	100
1915..	100	104	104	99	104	104	99	100	100	99	101	100
1916..	99	113	112	98	117	115	99	103	102	98	105	103
1917..	98	117	116	98	118	116	99	107	106	98	108	106
1918..	98	129	127	98	122	120	99	117	116	98	113	111
1919..	97	151	149	98	143	141	99	141	139	98	131	128
1920..	95	206	196	92	205	189	99	190	188	98	171	167
1921..	95	213	203	92	207	191	99	196	193	98	180	176
1922..	95	199	191	93	197	183	99	194	192	98	174	170
	Building trades—Continued.											
	Plasterers' laborers.			Plumbers and gas fitters.			Sheet-metal workers.			Steam fitters.		
1914..	100	102	102	100	101	101	100	104	104	99	102	101
1915..	100	102	102	100	102	102	100	105	105	99	104	103
1916..	99	105	104	99	103	102	99	107	106	99	106	105
1917..	99	112	111	99	107	105	99	112	111	98	110	109
1918..	99	129	128	98	117	116	98	131	129	97	121	118
1919..	99	147	146	98	133	131	98	144	141	97	135	132
1920..	99	213	211	98	172	169	97	193	189	97	179	174
1921..	98	219	216	98	181	178	97	202	197	97	171	167
1922..	98	193	189	98	168	168	97	188	183	97	168	163
	Building trades—Continued.											
	Steam fitters' helpers.			Stonemasons.			Structural-iron workers.			Structural-iron workers, finishers.		
1914..	101	102	102	100	103	103	100	102	102	100	102	102
1915..	101	105	104	100	104	104	100	102	102	100	102	102
1916..	100	106	106	100	106	105	100	104	103	100	104	104
1917..	100	113	112	100	110	109	99	110	109	99	109	108
1918..	99	131	128	100	120	120	99	126	125	99	123	122
1919..	99	157	154	99	135	133	99	143	141	99	137	137
1920..	99	227	224	99	188	186	99	179	177	99	180	181
1921..	99	220	216	99	193	191	99	184	182	99	183	183
1922..	99	226	222	99	180	178	99	167	165	99	168	169
	Building trades—Continued.									Chauffeurs, teamsters, and drivers.		
	Structural-iron workers, finishers' helpers.			Tile layers.			Tile layers' helpers.			Chauffeurs.		
1914..	100	101	101	100	101	101	100	101	101	100	101	101
1915..	100	101	101	100	101	101	98	104	103	99	102	101
1916..	100	101	101	99	103	102	98	108	106	97	106	104
1917..	98	110	108	99	108	106	97	111	108	96	113	109
1918..	98	123	121	99	111	109	97	114	112	94	131	123
1919..	98	148	146	98	121	119	97	139	134	90	163	146
1920..	98	204	200	98	163	159	97	227	220	87	200	173
1921..	98	206	203	98	162	159	97	232	224	87	203	174
1922..	98	205	201	98	159	156	97	217	210	88	191	167

No. 205.—Wages and Hours of Labor (Union): Relative Hours of Labor per Week, Relative Rates of Wages per Hour, and Relative Rates of Wages per Week, Computed from Union Scales, Calendar Years 1914 to 1922—Con.

Year.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time	Relative full-time hours per week.	Relative rate of wages per hour	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.
	Chauffeurs, teamsters, and drivers—Continued.						Freight handlers.			Granite and stone trades.		
	Teamsters and drivers.			Miscellaneous occupations.						Granite cutters.		
1914	100	102	102	100	101	101	100	103	103	100	101	100
1915	99	103	102	100	102	102	100	103	103	100	101	101
1916	99	107	106	99	105	104	100	116	117	100	105	105
1917	98	114	112	96	110	107	100	119	119	100	109	109
1918	97	133	128	(1)	(1)	(1)	93	149	139	100	130	130
1919	93	170	158	(1)	(1)	(1)	77	193	149	100	154	153
1920	90	215	195	(1)	(1)	(1)	77	233	178	100	189	189
1921	88	223	199	(1)	(1)	(1)	77	237	181	100	209	208
1922	90	213	192	(1)	(1)	(1)	82	196	161	99	209	205
	Granite and stone trades—Continued.			Metal trades.								
	Stone cutters.			Blacksmiths.			Blacksmiths' helpers.			Boiler makers.		
1914	100	104	104	100	102	102	100	101	101	100	100	100
1915	100	105	105	100	102	102	100	104	104	100	101	100
1916	100	106	105	99	106	105	99	109	107	97	106	103
1917	100	111	110	99	114	112	98	122	119	97	114	111
1918	100	118	117	94	163	153	94	178	168	95	154	146
1919	100	140	138	92	178	163	92	199	182	93	172	159
1920	99	183	181	91	211	193	92	240	220	93	188	175
1921	99	190	187	91	205	188	92	240	221	95	192	183
1922	99	182	180	91	198	180	92	240	220	95	175	166
	Metal trades—Continued.											
	Boiler makers' helpers.			Core makers.			Machinists.			Machinists' helpers.		
1914	100	101	100	100	101	101	99	102	101	100	100	100
1915	100	101	101	100	102	102	99	102	102	100	100	100
1916	98	108	105	99	109	108	97	116	112	100	107	107
1917	97	114	111	99	123	121	96	127	123	100	118	117
1918	96	157	150	98	157	154	94	167	159	97	150	146
1919	94	179	167	94	177	166	93	185	174	94	168	159
1920	94	196	184	90	234	212	92	209	195	94	210	200
1921	96	213	204	90	214	194	98	206	193	94	210	204
1922	97	190	187	90	188	170	99	193	181	95	188	180
	Metal trades—Continued.									Millwork.		
	Metal polishers and buffers.			Molders, iron.			Pattern makers, wood.			Carpenters.		
1914	100	100	100	100	101	101	99	101	100	97	102	98
1915	100	101	101	100	101	101	99	101	100	97	103	99
1916	97	108	105	98	110	107	99	108	107	95	107	102
1917	96	120	116	97	124	120	97	124	119	94	115	107
1918	95	149	143	97	157	150	96	163	156	92	128	118
1919	92	178	165	93	180	165	93	192	178	90	152	138
1920	90	246	224	89	235	209	92	243	222	89	219	197
1921	89	234	212	90	216	193	91	234	212	89	240	216
1922	89	229	206	90	192	171	91	214	193	89	219	198

[1] Data not available.

No. 205.—WAGES AND HOURS OF LABOR (UNION): RELATIVE HOURS OF LABOR PER WEEK, RELATIVE RATES OF WAGES PER HOUR, AND RELATIVE RATES OF WAGES PER WEEK, COMPUTED FROM UNION SCALES, CALENDAR YEARS 1914 TO 1922—Con.

Year.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.
	Millwork—Continued.			Printing and publishing: Book and job.								
	Painters, hardwood finishers.			Bookbinders.			Compositors.			Electrotypers: Batterymen and builders.		
1914..	99	105	104	100	102	102	100	103	103	100	105	105
1915..	99	108	108	100	102	102	100	103	103	100	108	108
1916..	99	122	121	100	102	102	100	105	105	100	111	111
1917..	99	124	122	100	108	108	100	107	107	100	116	115
1918..	99	131	129	100	122	121	100	119	119	100	126	125
1919..	98	160	156	100	155	155	100	145	145	100	146	146
1920..	90	239	214	100	204	204	100	191	191	99	221	222
1921..	89	253	223	95	220	208	94	220	206	99	271	270
1922..	91	245	222	94	211	198	92	223	206	98	210	209
	Printing and publishing: Book and job—Continued.											
	Electrotypers: Finishers and molders.			Machine operators.			Machine tenders (machinists).			Machinist operators.		
1914..	100	104	104	100	101	101	100	100	100	100	101	101
1915..	100	106	106	100	101	101	100	101	101	100	101	101
1916..	100	109	109	100	102	102	100	101	102	101	101	102
1917..	100	112	112	100	104	104	100	103	104	101	103	104
1918..	100	117	117	100	113	113	100	113	114	101	107	108
1919..	100	133	133	100	137	137	100	139	140	101	122	123
1920..	100	187	187	100	175	175	100	175	175	101	151	152
1921..	96	209	199	94	201	196	93	198	183	97	161	156
1922..	94	218	205	93	200	185	92	198	183	95	167	159
	Printing and publishing: Book and job—Continued.									Printing and publishing: Newspaper.		
	Press assistants and feeders.			Pressmen, cylinder.			Pressmen, platen.			Compositors, daywork.		
1914..	100	103	103	100	102	102	100	102	102	100	101	101
1915..	100	103	103	100	102	102	100	102	102	100	102	101
1916..	100	104	104	100	104	104	100	104	104	100	102	102
1917..	100	110	110	100	106	106	100	109	109	100	105	105
1918..	100	129	129	100	117	117	100	120	120	100	110	110
1919..	100	166	166	100	142	142	100	148	148	100	132	131
1920..	100	228	227	100	185	184	100	200	200	100	161	161
1921..	94	246	230	95	206	193	95	232	218	99	175	174
1922..	93	238	221	93	201	187	94	226	218	101	176	178
	Printing and publishing: Newspaper—Continued.											
	Compositors, nightwork.			Machine operators, daywork.			Machine operators, daywork (piecework).			Machine operators, nightwork.		
1914..	100	101	101	100	101	101	100	[1] 100	.....	100	101	101
1915..	100	101	101	99	102	102	100	[1] 100	.....	100	102	101
1916..	100	102	101	99	103	102	100	[1] 100	.....	100	102	101
1917..	100	104	104	99	106	105	102	[1] 101	.....	99	105	104
1918..	100	108	108	99	110	109	102	[1] 104	.....	100	108	108
1919..	100	131	130	99	134	133	103	[1] 117	.....	100	132	132
1920..	100	158	158	99	167	166	102	[1] 129	.....	100	162	162
1921..	100	172	171	99	175	174	101	[1] 120	.....	100	170	170
1922..	101	176	178	100	181	181	98	[1] 121	.....	102	174	177

[1] Based on price per 1,000 ems, nonpareil.

No. 205.—Wages and Hours of Labor (Union): Relative Hours of Labor per Week, Relative Rates of Wages per Hour, and Relative Rates of Wages per Week, Computed from Union Scales, Calendar Years 1914 to 1922—Con.

Year.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.	Relative full-time hours per week.	Relative rate of wages per hour.	Relative rate of wages per week, full time.
	Printing and publishing: Newspaper—Continued.											
	Machine operators, nightwork (piecework).			Machine tenders (machinists), daywork.			Machine tenders (machinists), nightwork.			Machinist operators, daywork.		
1914	100	[1] 100	.....	100	101	100	100	100	100	100	100	100
1915	100	[1] 100	.....	100	101	101	100	101	101	100	100	100
1916	99	[1] 100	.....	100	101	101	100	101	101	100	102	102
1917	101	[1] 100	.....	100	103	102	100	102	102	100	104	104
1918	101	[1] 102	.....	100	108	108	100	107	107	100	106	106
1919	102	[1] 114	.....	100	138	138	100	135	135	100	112	112
1920	102	[1] 120	.....	100	172	171	100	165	165	100	123	123
1921	100	[1] 105	.....	100	179	178	100	171	171	98	164	161
1922	99	[1] 106	.....	100	180	181	101	172	174	98	165	163
	Printing and publishing: Newspaper—Continued.											
	Machinist operators, nightwork.			Pressmen, web presses, daywork.			Pressmen, web presses, nightwork.			Stereotypers, daywork.		
1914	100	100	100	100	101	101	100	101	101	100	101	101
1915	100	100	100	100	101	101	100	101	101	100	101	101
1916	100	100	100	100	102	102	100	102	102	100	102	102
1917	99	104	103	100	104	104	100	103	103	100	105	105
1918	102	105	107	100	113	113	100	111	111	100	109	109
1919	102	116	118	101	137	137	100	139	138	100	123	123
1920	102	139	142	101	169	170	99	171	169	100	150	149
1921	103	154	160	101	184	184	97	185	183	98	174	170
1922	102	160	166	102	180	184	109	168	185	100	172	171
	Printing and publishing: Newspaper—Con.											
	Stereotypers, nightwork.											
1914	100	101	101									
1915	100	101	101									
1916	100	102	102									
1917	100	105	104									
1918	99	109	109									
1919	99	123	122									
1920	98	151	149									
1921	98	176	171									
1922	99	173	171									

[1] Based on price per 1,000 ems, nonpareil.

No. 206.—WAGES AND HOURS OF LABOR (UNION), RATES OF WAGES PER HOUR, FULL-TIME HOURS PER WEEK, AND RATES OF WAGES PER FULL-TIME WEEK: Calendar Years 1907 to 1922.

[Source: Reports of the Bureau of Labor Statistics, Department of Labor.]

Year.	Rates of wages per hour.	Full-time hours per week.	Rates of wages per week, full time.	Year.	Rates of wages per hour.	Full-time hours per week.	Rates of wages per week, full time.
1907	90	103	92	1915	103	99	102
1908	91	102	93	1916	107	99	106
1909	92	102	93	1917	114	98	112
1910	94	101	95	1918	133	97	130
1911	96	101	96	1919	155	95	148
1912	98	100	98	1920	199	94	189
1913	100	100	100	1921	205	94	193
1914	102	100	102	1922	193	94	183

No. 207.—WAGE EARNERS: Number Employed in Manufactures, Classified According to Prevailing Hours of Labor, 1914 and 1919.

[Source: Reports of the Bureau of the Census, Department of Commerce.]

Prevailing hours of labor per week.	Average number employed.		Per cent of total.	
	1914	1919	1914	1919
44 hours and under	(1)	1,111,107	.....	12.2
Between 44 and 48 hours	(1)	346,179	.....	3.8
48 hours	[2] 833,330	2,961,407	[2] 11.8	32.6
Between 48 and 54 hours	945,735	1,496,177	13.4	16.4
54 hours	1,818,390	828,353	25.8	9.1
Between 54 and 60 hours	1,543,018	1,248,854	21.9	13.7
60 hours	1,487,801	827,745	21.2	9.1
Over 60 hours	407,973	276,550	5.8	3.0
Total	7,036,247	9,096,372	100.0	100.0

[1] Figures not available. [2] Includes 48 hours and under for 1914.

No. 208.—MINING AND METALLURGICAL INDUSTRIES: Number of Men Employed, Calendar Years 1917 to 1921.

[Source: Bureau of Mines, Department of the Interior.]

Industry.	1917	1918	1919	1920	1921
Coal mines	757,317	762,426	776,569	784,621	823,253
Coke ovens	32,417	32,389	28,741	28,139	16,204
Metal mines	200,579	182,605	145,262	136,583	93,929
Smelting plants[1]	44,376	39,899	28,417	26,099	18,656
Ore-dressing plants	24,111	21,809	17,128	16,827	10,047
Auxiliary works at smelting and ore-dressing plants	15,555	18,044	15,081	16,306	8,762
Quarries	82,290	68,332	75,505	86,488	77,185
Total	1,156,645	1,125,505	1,086,703	1,095,063	1,048,036

[1] Excluding iron and steel furnaces.

No. 209.—WAGES OF HIRED FARM LABOR: Monthly and Daily, with and without Board, Calendar Years 1866 to 1922.

[Source: Reports of the Department of Agriculture.]

Year.	By the month.		Day labor at harvest.		Day labor not harvest.	
	With board.	Without board.	With board.	Without board.	With board.	Without board.
	Dollars.	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*	*Dollars.*
1866	17.45	26.87	1.74	2.20	1.08	1.49
1869	16.55	25.92	1.74	2.20	1.02	1.41
1875	12.72	19.87	1.35	1.70	.78	1.08
1879	10.43	16.42	1.00	1.30	.59	.81
1882	12.41	18.94	1.15	1.48	.67	.93
1885	12.34	17.97	1.10	1.40	.67	.91
1888	12.36	18.24	1.02	1.31	.67	.92
1890	12.45	18.33	1.02	1.30	.68	.92
1892	12.54	18.60	1.02	1.30	.67	.92
1893	13.29	19.10	1.03	1.24	.69	.89
1894	12.16	17.74	.93	1.13	.63	.81
1895	12.02	17.69	.92	1.14	.62	.81
1898	13.43	19.38	1.05	1.30	.72	.96
1899	14.07	20.23	1.12	1.37	.77	1.01
1902	16.40	22.14	1.34	1.53	.89	1.13
1910	19.21	27.50	1.45	1.82	1.06	1.38
1911	20.18	28.77	1.49	1.85	1.09	1.42
1912	20.81	29.58	1.54	1.87	1.14	1.47
1913	21.38	30.31	1.57	1.94	1.16	1.50
1914	21.05	29.88	1.55	1.91	1.13	1.45
1915	21.26	30.15	1.56	1.92	1.13	1.47
1916	23.25	32.83	1.69	2.07	1.26	1.62
1917	28.87	40.43	2.08	2.54	1.56	2.02
1918	34.92	48.80	2.65	3.22	2.07	2.63
1919	39.82	56.29	3.15	3.83	2.45	3.12
1920	46.89	64.95	3.60	4.36	2.86	3.59
1921	30.14	43.32	2.24	2.79	1.68	2.22
1922	29.17	41.79	2.20	2.72	1.65	2.15

No. 210.—WAGES OF HIRED FARM LABOR: Monthly and Daily, with and without Board, Calendar Years 1910, 1920, and 1922, by States and Geographic Divisions.

[Source: Department of Agriculture.]

State.	Per month.						Per day at harvest.						Per day other than harvest.					
	With board.			Without board.			With board.			Without board.			With board.			Without board.		
	1910	1920	1922	1910	1920	1922	1910	1920	1922	1910	1920	1922	1910	1920	1922	1910	1920	1922
	Dolls.	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*
Alabama	13.00	29.30	17.60	18.50	42.20	25.80	0.98	1.90	1.18	1.26	2.50	1.48	0.85	1.85	1.00	1.05	2.40	1.30
Arizona	30.00	67.00	40.00	40.00	94.00	58.00	1.72	3.20	1.60	2.24	4.10	3.00	1.34	2.85	1.75	2.04	3.75	2.50
Arkansas	16.25	37.50	21.30	24.00	53.80	31.60	1.20	2.60	1.56	1.55	3.30	2.00	.90	2.10	1.15	1.20	2.75	1.52
California	33.00	79.00	55.00	47.00	107.00	79.00	1.98	4.50	3.20	2.48	5.40	3.90	1.44	3.60	2.53	2.02	4.00	3.40
Colorado	29.50	65.00	35.00	44.50	92.00	54.00	1.95	4.50	2.52	2.47	5.50	3.27	1.47	3.70	1.90	2.00	4.60	2.60
Connecticut	21.00	56.00	40.00	36.00	82.00	67.00	1.55	3.60	2.50	2.00	4.60	3.40	1.07	3.05	2.05	1.55	3.95	2.95
Delaware	16.00	40.00	27.10	24.75	60.00	40.00	1.35	3.60	2.33	1.55	4.50	2.85	.98	2.80	1.60	1.22	3.50	2.07
Florida	15.00	34.50	23.40	25.00	50.00	35.50	1.10	2.20	1.30	1.46	2.80	1.80	.96	2.00	1.15	1.32	2.62	1.60
Georgia	13.00	30.50	15.60	18.00	44.00	23.00	.98	2.10	1.05	1.23	2.60	1.35	.73	1.88	.88	.95	2.40	1.12
Idaho	35.00	78.00	46.00	49.50	105.00	66.00	2.20	4.75	2.75	2.80	5.60	3.40	1.70	3.95	2.22	2.27	4.85	3.00
Illinois	24.50	52.90	33.90	32.90	68.40	45.00	1.90	4.40	2.75	2.30	5.20	3.30	1.31	3.25	1.95	1.63	4.00	2.48
Indiana	20.50	43.60	30.20	28.40	60.20	42.70	1.70	3.98	2.58	2.07	4.80	3.15	1.14	2.90	1.80	1.45	3.65	2.32
Iowa	28.00	66.35	36.80	39.00	83.50	49.70	2.12	5.00	2.70	2.51	5.85	3.35	1.57	4.08	2.11	1.98	4.89	2.67
Kansas	24.00	57.00	32.50	34.00	77.50	46.70	2.18	6.00	3.50	2.57	6.75	4.10	1.42	4.30	2.19	1.84	5.20	2.75
Kentucky	16.00	36.40	26.90	23.10	50.10	36.30	1.36	3.00	1.95	1.71	3.70	2.46	.85	2.10	1.23	1.12	2.70	1.63
Louisiana	13.50	35.00	22.40	20.25	51.00	32.60	.90	2.35	1.30	1.25	2.85	1.60	.77	2.30	1.26	1.02	2.75	1.60
Maine	23.50	56.60	38.00	34.50	81.50	53.50	1.50	3.50	2.45	1.95	4.20	3.07	1.23	3.20	2.08	1.60	3.95	2.70
Maryland	13.50	38.00	28.50	21.50	56.00	42.00	1.26	3.80	2.17	1.64	4.55	2.77	.88	2.70	1.54	1.18	3.45	2.11
Massachusetts	22.75	55.00	41.00	37.20	85.00	68.00	1.42	3.60	2.56	1.92	4.50	3.45	1.22	3.10	2.31	1.66	4.10	3.18
Michigan	23.00	53.00	33.60	33.00	75.00	47.30	1.64	4.10	2.60	2.10	4.95	3.29	1.22	3.30	2.10	1.66	4.15	2.70
Minnesota	26.00	67.00	35.00	38.00	88.40	50.00	2.23	5.10	2.90	2.65	6.10	3.60	1.48	4.15	2.20	1.90	5.15	2.95
Mississippi	13.30	28.50	18.20	19.50	41.00	25.90	.93	1.95	1.14	1.22	2.48	1.50	.83	2.08	1.10	1.10	2.65	1.45
Missouri	21.50	42.00	28.70	29.50	56.00	39.50	1.55	3.75	2.25	1.93	4.50	2.73	1.02	2.40	1.46	1.32	3.65	1.90
Montana	38.00	75.40	42.20	50.00	105.00	63.00	2.05	5.20	3.60	2.80	6.20	4.40	1.77	4.20	2.40	2.36	5.20	3.20
Nebraska	26.50	66.00	34.50	38.00	87.50	48.50	2.14	5.60	3.00	2.60	6.70	3.65	1.57	4.30	1.96	1.96	5.30	2.85
Nevada	37.00	77.00	48.00	54.00	107.00	65.00	1.82	4.20	3.00	2.38	5.50	3.85	1.39	3.50	2.40	1.96	4.75	3.40
New Hampshire	23.50	55.00	38.60	35.50	81.00	60.00	1.35	3.40	2.46	1.84	4.50	3.20	1.18	3.30	2.11	1.65	4.05	2.84
New Jersey	19.50	53.00	40.00	31.50	82.00	62.00	1.70	4.00	3.05	2.15	5.00	3.80	1.11	3.10	2.25	1.46	4.05	3.00
New Mexico	24.50	54.00	31.00	34.25	72.00	46.00	1.46	3.25	1.60	1.88	3.75	2.10	1.12	2.50	1.30	1.58	3.25	1.80
New York	23.50	54.40	39.70	35.00	76.20	56.50	1.80	4.05	2.95	2.22	4.88	3.65	1.28	3.36	2.46	1.66	4.17	3.15

North Carolina	13.60	38.40	24.00	19.50	53.10	33.00	1.03	2.85	1.85	1.28	3.52	2.25	.73	2.25	1.35	.97	2.85	1.75
North Dakota	29.00	70.00	38.70	42.00	97.00	55.50	2.40	6.10	3.90	3.03	7.40	4.85	1.60	4.40	2.50	2.20	5.50	3.40
Ohio	21.00	48.00	32.60	29.00	66.50	46.50	1.67	4.11	2.70	2.07	4.95	3.28	1.20	3.19	2.00	1.57	3.98	2.60
Oklahoma	19.10	48.00	26.00	28.10	68.00	37.00	1.60	4.65	2.35	1.97	5.35	2.75	1.11	3.30	1.52	1.47	4.10	1.96
Oregon	32.00	68.00	43.50	44.50	89.00	63.00	2.12	4.45	2.85	2.60	5.30	3.50	1.51	3.85	2.25	2.07	4.80	1.40
Pennsylvania	18.75	47.00	33.00	29.00	69.70	50.90	1.50	3.65	2.50	1.96	4.60	3.23	1.04	3.15	2.10	1.49	3.90	2.70
Rhode Island	21.00	55.00	40.00	34.00	81.00	65.00	1.35	3.10	2.75	2.05	4.40	3.60	1.12	2.70	2.37	1.56	3.80	3.20
South Carolina	12.00	30.50	16.20	16.50	41.80	28.20	.96	2.25	1.24	1.12	2.76	1.56	.70	1.80	.85	.90	2.30	1.08
South Dakota	27.00	76.00	36.40	39.00	101.00	53.00	2.35	5.50	3.05	2.95	6.65	3.75	1.54	4.65	2.25	2.00	5.90	3.10
Tennessee	14.00	33.00	22.30	20.00	46.00	30.75	1.14	2.50	1.58	1.44	3.05	1.90	.77	1.85	1.07	1.02	2.35	1.40
Texas	18.00	42.00	24.20	24.50	60.00	35.40	1.22	3.25	1.72	1.57	3.85	2.10	1.04	2.65	1.30	1.32	3.25	1.66
Utah	35.00	77.00	47.00	47.50	104.00	64.00	1.78	3.90	2.40	2.20	4.90	2.95	1.55	3.50	2.16	2.00	4.30	2.81
Vermont	25.00	52.10	35.00	35.50	73.30	52.00	1.75	3.60	2.35	2.25	4.40	3.00	1.21	2.90	1.96	1.60	3.70	2.53
Virginia	14.00	36.10	24.80	19.50	51.60	35.50	1.15	3.07	1.90	1.44	3.70	2.32	.78	2.20	1.31	1.01	2.84	1.76
Washington	33.00	77.00	45.00	50.00	104.00	65.00	2.42	5.15	3.25	2.78	6.15	3.90	1.72	4.00	2.38	2.26	5.00	3.15
West Virginia	19.40	48.50	33.20	29.00	68.30	47.90	1.28	3.25	2.20	1.65	4.05	2.80	.94	2.52	1.55	1.27	3.40	2.10
Wisconsin	26.00	62.00	37.00	37.25	84.50	54.00	1.76	4.15	2.65	2.20	5.05	3.32	1.35	3.50	2.20	1.78	4.35	2.90
Wyoming	35.00	69.00	39.50	49.00	98.00	60.00	1.90	4.20	2.40	2.50	5.30	3.25	1.73	3.70	1.95	2.29	4.75	2.75
Average	19.21	46.89	29.17	27.50	64.95	41.79	1.45	3.60	2.20	1.82	4.36	2.72	1.06	2.86	1.65	1.38	3.59	2.15
Geographic divisions.[1]																		
North Atlantic	21.65	51.92	37.14	33.19	75.54	55.82	1.63	3.78	2.70	2.08	4.68	3.40	1.17	3.20	2.24	1.58	4.01	2.91
South Atlantic	13.77	35.75	22.12	19.75	50.56	31.72	1.07	2.69	1.61	1.33	3.30	2.01	.77	2.13	1.18	1.01	2.74	1.55
North Central East (Mississippi River)	22.94	51.49	33.35	31.81	70.09	46.71	1.75	4.17	2.67	2.16	5.00	3.27	1.24	3.22	2.00	1.61	4.01	2.58
North Central West (Mississippi River)	25.10	59.63	33.63	35.45	79.79	47.14	2.01	5.03	2.88	2.43	5.94	3.51	1.38	3.78	2.01	1.77	4.67	2.63
South Central	15.28	36.53	22.33	21.90	51.94	32.09	1.14	2.80	1.61	1.47	3.41	1.98	.89	2.29	1.20	1.15	2.89	1.56
Far Western	32.69	73.21	45.57	46.48	99.43	66.03	2.02	4.48	2.89	2.52	5.39	3.56	1.51	3.66	2.23	2.06	4.61	3.00

[1] North Atlantic division: Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania; South Atlantic division: Delaware, Maryland, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida; North Central division (east of Mississippi River): Ohio, Indiana, Illinois, Michigan, Wisconsin; North Central division (west of Mississippi River): Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, Kansas; South Central division: Kentucky, Tennessee, Alabama, Mississippi, Louisiana, Texas, Oklahoma, Arkansas; Far Western division: Montana, Wyoming, Colorado, New Mexico Arizona, Utah, Nevada, Idaho, Washington, Oregon, and California.

No. 211.—LABOR STRIKES IN COAL MINES: NUMBER OF MEN ON STRIKE, TOTAL DAYS LOST, AND AVERAGE DAYS LOST PER MAN, CALENDAR YEARS 1920 AND 1921, BY STATES.

[Source: Reports of the Geological Survey, Department of the Interior.]

State.	1920			1921		
	Men on strike.	Days lost.	Average days lost per man striking.	Men on strike.	Days lost.	Average days lost per man striking.
Alabama	8,490	800,519	94	2,329	157,401	68
Arkansas	956	28,015	29	1,677	17,400	10
Colorado	2,012	18,240	9	2,497	72,830	29
Illinois	68,481	948,408	14	18,088	226,112	13
Indiana	19,068	411,991	22	17,634	321,593	18
Iowa	4,966	24,366	5	897	1,840	2
Kansas	5,461	161,485	30	7,285	538,811	74
Kentucky	9,192	312,460	34	1,789	64,448	36
Maryland	1,733	25,514	15	123	4,463	36
Michigan	1,659	24,993	15	780	2,826	4
Missouri	1,841	36,015	20	2,089	50,108	24
Montana	377	6,952	18	92	2,035	22
New Mexico	.....	.....	.....	425	1,700	4
North Dakota	49	473	9	15	225	15
Ohio	17,333	245,314	14	17,682	176,605	10
Oklahoma	2,267	24,053	11	1,520	12,231	8
Pennsylvania [1]	27,728	479,708	17	14,895	302,525	20
Tennessee	202	1,478	7	638	17,350	27
Texas	824	9,737	12	.....	.....	.....
Utah	113	791	7	100	200	2
Virginia	48	1,736	36	.....	.....	.....
Washington	201	22,962	114	802	139,126	173
West Virginia	12,340	511,225	41	7,198	170,017	24
Wyoming	238	2,722	11	591	2,978	5
Total bituminous	185,579	4,099,157	22	99,146	2,282,824	23
Pennsylvania (anthracite)	96,840	1,815,316	19	52,117	823,279	16
Grand total	282,419	5,914,473	21	151,263	3,106,103	21

[1] Bituminous.

No. 212.—SUMMARY OF STRIKES IN COAL MINES: NUMBER OF MEN ON STRIKE, DAYS LOST, AND AVERAGE DAYS LOST PER MAN, CALENDAR YEARS 1910 TO 1921.

[Source: Reports of the Geological Survey, Department of the Interior.]

Year.	Men on strike.	Working days lost.	Average days lost per man.	Year.	Men on strike.	Working days lost.	Average days lost per man.
1910	218,493	19,250,524	88	1916	170,633	3,344,586	19
1911	41,413	983,737	24	1917	160,240	2,348,399	15
1912	311,056	12,527,305	40	1918	79,395	508,526	6
1913	135,395	3,049,412	23	1919	453,418	15,761,410	35
1914	161,720	11,013,667	68	1920	282,419	5,914,473	21
1915	67,190	2,467,431	37	1921	151,263	3,106,103	21

No. 213.—COAL MINES, ANTHRACITE AND BITUMINOUS: NUMBER OF MEN EMPLOYED, NUMBER OF DAYS WORKED, AND AVERAGE TONNAGE MINED PER MAN PER DAY AND PER CALENDAR YEAR, 1913 TO 1921.

[Source: Reports of the Geological Survey, Department of the Interior.]

Year.	Anthracite.				Bituminous.			
	Men employed.	Days worked.	Average tonnage per man per day.	Average tonnage per man per year.	Men employed.	Days worked.	Average tonnage per man per day.	Average tonnage per man per year.
1913	175,745	257	2.02	520	571,882	232	3.61	837
1914	179,679	245	2.06	505	583,506	195	3.71	724
1915	176,552	230	2.19	504	557,456	203	3.91	794
1916	159,369	253	2.16	548	561,102	230	3.90	896
1917	154,174	285	2.27	646	603,143	243	3.77	915
1918	147,121	293	2.29	672	615,305	249	3.78	942
1919	154,571	266	2.14	570	621,998	195	3.83	749
1920	145,055	271	2.28	618	639,547	220	4.00	881
1921	159,499	271	2.09	567	663,754	149	4.20	627